**Caltech - GW instrumentation with ligo and CE, Cosmology with Dark matter**

**Finished**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Caltech is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills that can enable significant/meaningful contributions to gravitational-wave physics and cosmology projects. I am very interested in the development of the next generation of gravitational wave detectors with aLIGO, Cosmic Explorer, and LISA. I have optomechanics and precise instrumentation skills from my experience with AIT at MIT that would translate quickly to active gravitational-wave detector research. However, I am cognizant of the long time-scales of these projects and am committed to supporting the development of advanced gravitational-wave detectors for both the near and distant future. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous experience working with large astrophysical data sets has prepared me to further the current understanding of the nature of dark matter and the inflationary era of the universe. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Adhikari, Prof. Chen, Prof. Weinstein, Prof. Bock, and Prof. Golwala.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Caltech.

**MIT - GW instrumentation and data analysis, Cosmology analysis with dark matter**

**Finished**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at MIT is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills that can enable significant/meaningful contributions to gravitational-wave physics and cosmology projects. I am very interested in the development of the next generation of gravitational wave detectors with aLIGO, Cosmic Explorer, and LISA. I have optomechanics and precise instrumentation skills from my experience with AIT at MIT that would translate quickly to active gravitational-wave detector research. However, I am cognizant of the long time-scales of these projects and am committed to supporting the development of advanced gravitational-wave detectors for both the near and distant future. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous experiences working with the Gaia survey, various galaxy surveys, and time-series solar spectrophotometry have prepared me to further the current understanding of the nature of dark matter and dark energy. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Evans, Prof. Necib, Prof. Vitale, Dr. Shoemaker, and Prof. Slayter.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a professorship position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions in science and beyond is a Ph.D. study at MIT.

**Penn State - GW analysis and modeling, Cosmology analysis of DE with HETDEX**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Penn State is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous work with large astrophysical data sets has prepared me to further the current understanding of the nature of dark energy and dark matter. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Radice, Prof. Sathyaprakash, Prof. Bianchi, Prof. Jeong, and Prof. Cowen.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Penn State.

**Chicago - GW analysis with Holz, Cosmology with McMahon, Vieregg, Drlica-Wagner and Chang**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Chicago is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in contributing knowledge to gravitational wave science through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in contributing to the fundamental understanding of the universe through analysis of cosmological observations. My previous work with large astrophysical data sets has prepared me to further the current understanding of the nature of dark energy and dark matter using observations from LSST and the Magellan Telescopes. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Holz, Prof. Chang, Prof. Drlica-Wagner, Prof. Vieregg, and Prof. McMahon.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Chicago.

**Columbia**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Columbia is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in contributing knowledge to gravitational wave science through instrumentation development or simulation and analysis. I have optomechanics and precise instrumentation skills from my experience with AIT at MIT that would translate quickly to active gravitational-wave detector research. However, I am cognizant of the long time-scales of these projects and am committed to supporting the development of advanced gravitational-wave detectors for both the near and distant future. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in contributing to the fundamental understanding of the universe through the analysis of cosmological observations. My previous work with large astrophysical data sets has prepared me to further the current understanding of structure formation and dark matter. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Márka, Prof. Haiman, Prof. Colin Hill, Prof. Aprile, and Prof. Hui.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Columbia University.

**Cornell - CCAT prime telescope, GW analysis with Teukolsky + Flanagan, Cosmology with Niemack**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Cornell is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous experiences working with various astrophysical data sets has prepared me to further the current understanding of the nature of dark matter, dark energy, and structure formation. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Niemack, Prof. Battaglia, Prof. Teukolsky, Prof. Chernoff, and Prof. Flanagan.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Cornell.

**Michigan**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Michigan is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous experience working with various astrophysical data sets has prepared me to further the current understanding of the nature of dark energy and neutrino physics using large cosmological surveys such as the Dark Energy Spectroscopy Instrument. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Riles, Prof. Gerdes, Prof. Wells, Prof. Penning, and Prof. Soares-Santos.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Michigan.

**University of Minnesota - GW research with Mandic, CDMS with Cushman, cosmology with Williams**

**done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Minnesota is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations and analyses that can provide scientific insight from current gravitational-wave observations and inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in experimental and observational cosmology. My previous experience with AIT at MIT has given me transferrable instrumentation and engineering skills for use in direct dark matter search experiments and instrumentation development for CMB studies. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Mandic, Prof. Cushman, Prof. Hanany, Prof. Coughlin, and Prof. Williams.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Minnesota.

**UIUC**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Illinois is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations and analyses that can provide scientific insight from current gravitational-wave observations and inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in experimental and observational cosmology. My previous experience with AIT at MIT has given me transferrable engineering skills that could immediately support instrumentation development for cosmic microwave background studies. Furthermore, my previous experience working with various astrophysical data sets has prepared me to glean new findings from current surveys of the cosmic microwave background. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Shapiro, Prof. Vieira, Prof. Filippini, Prof. Yunes, and Prof. Witek.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Illinois.

**Syracuse**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Syracuse is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in the development of the next generation of gravitational wave detectors with aLIGO, Cosmic Explorer, and LISA. I have optomechanics and precise instrumentation skills from my experience with AIT at MIT that would translate quickly to active gravitational-wave detector research. However, I am cognizant of the long time-scales of these projects and am committed to supporting the development of advanced gravitational-wave detectors for both the near and distant future. I am also interested in the interface of theoretical and observational cosmology. My previous experience working with various astrophysical data sets has prepared me to glean new findings from current surveys of the cosmic microwave background and use these analyses to inform the development of future cosmic microwave background studies, particularly CMB-S4. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Ballmer, Prof. Watson, Prof. Brown, and Prof. Coughlin.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Syracuse.

**UA - lots of cosmology data analysis, theoretical GW modeling**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Arizona is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations and analyses that can provide scientific insight from current gravitational-wave observations and inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in experimental and observational cosmology. My previous experience working with various astrophysical data sets has prepared me to glean new findings from surveys of the universe to resolve the growing tension between the theory of the expanding universe and observations. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Gralla, Prof. Rozo, Prof. Paschalidis, Prof. Krause, and Prof. Marrone.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Arizona.

**UW - Gravity instrumentation with gundlach, Cosmology experiment with Gray Rybka**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Washington is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational physics and cosmology projects. I am very interested in studying the nature of gravity. My previous work with AIT at MIT has given me transferable engineering skills to immediately contribute to current research in the Eöt-Wash group. I am also very interested in experimental and observational cosmology. My experience with AIT at MIT has prepared me to instantly support direct dark matter search projects like ADMX and DAMIC. Furthermore, my previous work with large astrophysical data sets has prepared me to further the current understanding of the nature of dark energy and dark matter through analysis of cosmological observations. I am broadly interested in gravitational physics and cosmology but am particularly interested in the research of Prof. Gundlach, Prof. Loverde, Prof. Morales, Prof. Rybka, and Prof. Chavarria.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Washington.

**Harvard**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Harvard is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in observational cosmology. My previous work with large astrophysical data sets has prepared me to further the current understanding of the nature of dark energy and the cosmic microwave background. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Randall, Prof. Eisenstein, Prof. Kovac, Prof. Dvorkin, and Prof. Berger.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Harvard.

**Yale**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Yale is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in cosmology. My previous work with large astrophysical data sets has prepared me to further the current understanding of the nature of dark energy and structure formation. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Natarajan, Prof. Padmanabhan, Prof. Bailyn, Prof. Nagai, and Prof. Newburgh.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Yale.

**Northwestern**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Northwestern is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in cosmology. My previous work with large astrophysical data sets has prepared me to further the current understanding of the nature of galaxy evolution. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Kalogera, Prof. Faucher-Giguère, Prof. Larson, Prof. Kovachy, and Prof. Tchekovskoy.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Northwestern.

**Georgia tech**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Georgia Tech is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in understanding the nature of gravitational waves through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations and analyses that can provide scientific insight from current gravitational-wave observations and inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in cosmology. My previous work with large astrophysical data sets has prepared me to build detailed models to further the current understanding of the nature of galaxy evolution in a cosmological context. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Cadonati, Prof. Wise, Prof. Bogdanović, Prof. Taboada, and Prof. Otte.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Georgia Tech.

**Stanford**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Stanford is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in cosmology.

…

I possess a unique combination of experimental, computational, and observational skills to make immediate contributions to cosmology projects. My previous work with large astrophysical data sets has prepared me to build detailed models to further the current understanding of structure evolution in the universe. My research constraining interstellar-medium evolution in star-forming galaxies has prepared me with the skills to understand dark energy using observations from the Rubin Observatory or to measure primordial gravitational waves using observations from BICEP3. My experience with AIT at MIT has given me transferrable engineering skills that could immediately support instrumentation development for CMB-S4 sensors or direct dark matter particle searches. I am broadly interested in cosmology but am particularly interested in the research of Prof. Kuo, Prof. Abel, Prof. Irwin, Prof. Wechsler, and Prof. Akerib.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Stanford.

**Maryland**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at thhe University of Maryland is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and particle astrophysics.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and particle astrophysics projects. I am very interested in contributing knowledge to gravitational wave science through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. I am also very interested in direct particle searches with astrophysical implications. My experience with AIT at MIT has given me transferrable engineering skills that could immediately support neutrino experiments or direct dark matter particle searches. I am broadly interested in gravitational-wave physics and particle astrophysics but am particularly interested in the research of Prof. Shawhan, Prof. Hoffman, Prof. Hall, and Prof. Jacobson, and Prof. Sullivan.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Maryland.

**Carnegie Mellon**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at Carnegie Mellon is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in contributing knowledge to gravitational wave science through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous experiences working with large astrophysical data sets have prepared me to further the current understanding of the nature of dark matter and dark energy using observations from new surveys, such as the Legacy Survey for Space and Time. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Rodriguez, Prof. Dodelson, Prof. Mandelbaum, Prof. Di Matteo, and Prof. Kahniashvili.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at Carnegie Mellon.

**UW-Milwaukee**

**Done**

The early opportunity to experience the universe fueled my passion to study its complexity and share its beauty with others. My parents’ sacrifices to ensure a quality education for my sister and me emphasized the importance of community-driven leadership. Earning my Ph.D. at the University of Wisconsin-Milwaukee is the next opportunity to contribute to the frontiers of physics while reinforcing my core values to the scientific and broader community. I have experience developing computational models, maintaining observatory infrastructure, developing observational data pipelines and analysis routines, and assembling and integrating astronomical instrumentation. I am eager to extend my expertise from previous research to solve problems in gravitational-wave physics and cosmology.

…

I possess a unique combination of experimental, computational, and analytical skills to make immediate contributions to gravitational-wave physics and cosmology projects. I am very interested in contributing knowledge to gravitational wave science through simulation and analysis. My previous experience developing numerical models for constraining galaxy evolution would translate seamlessly to astrophysical simulations that can inform instrumentation decisions for the next generation of gravitational-wave detectors. Additionally, I am interested in the analysis and simulation of cosmological observations. My previous work analyzing large astrophysical data sets has prepared me to further the current understanding of galaxy evolution in a cosmological context. I am broadly interested in gravitational-wave physics and cosmology but am particularly interested in the research of Prof. Kaplan, Prof. Erb, Prof. Creighton, Prof. Wiseman, and Prof. Brady.

Gaining experience through a doctoral program will prepare me for a postdoctoral position, and ultimately a faculty position at a university. With this opportunity, I will contribute to astrophysics research at the cutting edge and communicate complex topics to the next generation of STEM leaders using teaching methods that reach every student, regardless of their intellectual approach. I will not limit my studies to the cosmos and train undergraduates to solve problems outside of pure research. I will build upon my previous experience in education and public outreach to create a healthy culture that increases participation in STEM by historically under-represented groups. The foundation of my future contributions to science and beyond is earning my Ph.D. at the University of Wisconsin-Milwaukee.