

James D'Annibale

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Cell: 5185276421

Class: Junior

Anticipated Graduation Date: 2021

Major(s): Physics and education certification

Minor(s): None

Overall GPA: 3.92

Major GPA: 3.92

Please list all the physics, math, and computer science classes you have taken or are currently taking. For the courses you have completed, please list your final grade in the class.

Gen phys 1 and 2: A CSIS: A Calc 1,2,3: A Computational: A Modern: A Electronics: A Thermal: A Diffeq: A- Linear: A

Do you require summer housing?

No

Are you taking (or thinking of taking) any summer classes at Siena? If so, which class or classes and during which summer session(s)?

Chemistry

Are you taking (or thinking of taking) any summer classes at a college or university other than Siena? If so, where? Which class or classes?

Chemistry

With the overwhelming student interest in research experience and the limited paid positions available, we'd like your feedback on other options. For example, if you don't receive a paid position, would you be interested in an unpaid position to learn research skills and build your resume?

No

If no, what concerns hold you back from considering an unpaid summer research experience?

I need to make money over the summer.

Please write a brief statement (1-2 paragraphs) which discusses why you are interested in summer research, what kind of research you would like to do, and with whom. In addition, if you have any previous research, computer programming, machining, or relevant laboratory experience, please briefly describe it and your level of proficiency here.

I would like to work with Dr. Rapson on developing and then teaching a summer astronomy outreach curriculum and training how to use the portable sky some. I've worked with Dr Finn on the breyo to build a flat field device, Dr Bellis on testing air samples to explain DAMA/LIBRA data, and currently working with Dr Bellis on a quantum board game.

Research opportunities typically run between May and August. What time frame best fits your schedule?

May to June, June to July

Please use the space below to ask questions or to convey any relevant additional information not covered above.

Gabriella Tamayo

Email: ga23tama@siena.edu

Cell: 7188133954

Class: freshman

Anticipated Graduation Date: 2023

Major(s): Physics

Minor(s): Astronomy

Overall GPA: 3.28

Major GPA: n/a

Please list all the physics, math, and computer science classes you have taken or are currently taking. For the courses you have completed, please list your final grade in the class.

Phys 1 - C (i'm not sure if this was a C or C+) Phys 2 Calc 1 - B Calc 2 Intro to Visualization and EDA - A

Do you require summer housing?

Yes

Are you taking (or thinking of taking) any summer classes at Siena? If so, which class or classes and during which summer session(s)?

I'm thinking of taking Calc 3 or some other math

Are you taking (or thinking of taking) any summer classes at a college or university other than Siena? If so, where? Which class or classes?

Nope

With the overwhelming student interest in research experience and the limited paid positions available, we'd like your feedback on other options. For example, if you don't receive a paid position, would you be interested in an unpaid position to learn research skills and build your resume?

No

If no, what concerns hold you back from considering an unpaid summer research experience?

I'm interested if I didn't have to pay for housing.

Please write a brief statement (1-2 paragraphs) which discusses why you are interested in summer research, what kind of research you would like to do, and with whom. In addition, if you have any previous research, computer programming, machining, or relevant laboratory experience, please briefly describe it and your level of proficiency here.

I'm interested in summer research because I believe that research is one of my strengths in science in general since I've been doing research since my sophomore year in high school (I did research on astrobiology but focused on habitable planets). I also think that by working with a professor during the summer would give me a good feel as to how research is conducted at Siena and how I might go about doing personal/individual research in the future. I have learned some python last semester and I'm willing to learn more and increase my python fluency. Dr. Bellis offered and asked if I wanted to do summer research with him regarding galaxy formation and the python coding, and I would really love to!

Research opportunities typically run between May and August. What time frame best fits your schedule?

Any time frame works

Please use the space below to ask questions or to convey any relevant additional information not covered above.

Noah Franz

Email: nr25fran@siena.edu

Cell: (585)690-2386

Class: freshman

Anticipated Graduation Date: 2023

Major(s): Physics Education

Minor(s): None

Overall GPA: 4.0

Major GPA: 4

Please list all the physics, math, and computer science classes you have taken or are currently taking. For the courses you have completed, please list your final grade in the class.

Physics 1, Physics 2, Astronomy 101, Calculus 2, Calculus 3, Differential Equations, SCDV 110

Do you require summer housing?

Yes

Are you taking (or thinking of taking) any summer classes at Siena? If so, which class or classes and during which summer session(s)?

No

Are you taking (or thinking of taking) any summer classes at a college or university other than Siena? If so, where? Which class or classes?

No

With the overwhelming student interest in research experience and the limited paid positions available, we'd like your feedback on other options. For example, if you don't receive a paid position, would you be interested in an unpaid position to learn research skills and build your resume?

Yes

If no, what concerns hold you back from considering an unpaid summer research experience?

Please write a brief statement (1-2 paragraphs) which discusses why you are interested in summer research, what kind of research you would like to do, and with whom. In addition, if you have any previous research, computer programming, machining, or relevant laboratory experience, please briefly describe it and your level of proficiency here.

I am interested in participating in summer research so that I can further my understanding of and fulfill my love of physics. Throughout my past college math and physics classes I have continued to grow my understanding and interest in the many different areas of physics and astronomy. In addition, I learned in SCDV110 that programming is very interesting and a wonderful challenge. I am hoping that over this summer I can not only grow my love of physics but also improve my knowledge and skill when it comes to programming. Over this summer I am interested in working with Astronomy and more specifically Dark Energy and Dark Matter. My high school physics teacher briefly taught me about Dark Energy and the wonders of it and since then I have been fascinated with the concept of it. After talking to Dr. Moustakas I am even more interested in the mystery of it and would love to work with him on his Dark Energy projects this summer. I hope that this will further my understanding of Astronomy and Dark Energy and keep me wondering more about the many questions of the universe.

Research opportunities typically run between May and August. What time frame best fits your schedule?

June to July, July to August, May to July, June to August

Please use the space below to ask questions or to convey any relevant additional information not covered above.

William Wood

Email: wc30wood@siena.edu

Cell: 9196237640

Class: sophomore

Anticipated Graduation Date: 2024

Major(s): 3/2 Aeronautical Engineer

Minor(s): None

Overall GPA: 3.81

Major GPA: 3.9

Please list all the physics, math, and computer science classes you have taken or are currently taking. For the courses you have completed, please list your final grade in the class.

Taken : Calc I - A, Calc II - A, Calc III - A, Gen Phys I - A, Gen Phys II - A, Statics - A, Modern Phys - A, Intro to EDA and Vis - A, Electronic Instrumentation - A, Intro to Eng - A, Gen Chem - B. Currently taking: Differential Equations, Linear Algebra, Thermal Phys, Computational Phys, Fundamentals of Flight, Matlab,

Do you require summer housing?

Yes

Are you taking (or thinking of taking) any summer classes at Siena? If so, which class or classes and during which summer session(s)?

No

Are you taking (or thinking of taking) any summer classes at a college or university other than Siena? If so, where? Which class or classes?

No

With the overwhelming student interest in research experience and the limited paid positions available, we'd like your feedback on other options. For example, if you don't receive a paid position, would you be interested in an unpaid position to learn research skills and build your resume?

No

If no, what concerns hold you back from considering an unpaid summer research experience?

I need to make money over the summer., I'm interested if I didn't have to pay for housing., I might be interested if I could design my own project.

Please write a brief statement (1-2 paragraphs) which discusses why you are interested in summer research, what kind of research you would like to do, and with whom. In addition, if you have any previous research, computer programming, machining, or relevant laboratory experience, please briefly describe it and your level of proficiency here.

I want to construct and or build an apparatus this summer. The projects that interest me are the Big G project with Dr. Vernizzi and the Cloud Chamber project with Dr. Bellis. I worked with Dr. Vernizzi last semester on his Gravitational Constant project. I worked with a Raspberry Pi and Unix operating system. I have had about six years of off and on experience with Python 2 and 3.

Research opportunities typically run between May and August. What time frame best fits your schedule?

May to June, June to July

Please use the space below to ask questions or to convey any relevant additional information not covered above.

Brian Bauer

Email: bz23baue@siena.edu

Cell: 5185061574

Class: Freshman

Anticipated Graduation Date: 2023

Major(s): Physics and Mathematics

Minor(s): Astrophysics

Overall GPA: 4.0

Major GPA: 4

Please list all the physics, math, and computer science classes you have taken or are currently taking. For the courses you have completed, please list your final grade in the class.

Physics 1, Physics 2, Calc 1, Calc 3, SCDV 110, CS120

Do you require summer housing?

No

Are you taking (or thinking of taking) any summer classes at Siena? If so, which class or classes and during which summer session(s)?

Calc 2

Are you taking (or thinking of taking) any summer classes at a college or university other than Siena? If so, where? Which class or classes?

No

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Yes

If no, what concerns hold you back from considering an unpaid summer research experience?

Please write a brief statement (1-2 paragraphs) which discusses why you are

interested in summer research, what kind of research you would like to do, and with whom. In addition, if you have any previous research, computer programming, machining, or relevant laboratory experience, please briefly describe it and your level of proficiency here.

I am interested in summer research because I would like to become familiar with the practice of conducting research with other scientists. I feel that I would benefit from the experience in manner regards, including personal enjoyment. I would like to work with dark energy research and data systems to aid the effort of DESI in viewing our night sky. I want to do research with Prof. Moustakas on his DESI projects. I have 5 years of coding experience and designing web infrastructure on my own time. For many years I have dreamed of having the opportunity to do research with a professor in college and this would achieve that goal.

Research opportunities typically run between May and August. What time frame best fits your schedule?

May to July

Please use the space below to ask questions or to convey any relevant additional information not covered above.

Tyler Sitterly

Email: tj01sitt@siena.edu

Cell: 5188603640

Class: Junior

Anticipated Graduation Date: May 2021

Major(s): Physics

Minor(s): Mathematics

Overall GPA: 2.9

Major GPA: 3

Please list all the physics, math, and computer science classes you have taken or are currently taking. For the courses you have completed, please list your final grade in the class.

Gen phys 1 - A Gen phys 2 - B- Modern - B- Electronics - B Thermal - C+ Computational - B+ Mechanics - B- Nuclear and particle Electromagnetic theory Experimental techniques Calculus 1 - B- Calculus 2 - C- Calculus 3 - C- Differential Equations - C+ Applied Mathematics - B- Software tools for physicists - A-

Do you require summer housing?

Yes

Are you taking (or thinking of taking) any summer classes at Siena? If so, which class or classes and during which summer session(s)?

No

Are you taking (or thinking of taking) any summer classes at a college or university other than Siena? If so, where? Which class or classes?

No

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No

If no, what concerns hold you back from considering an unpaid summer research experience?

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Please write a brief statement (1-2 paragraphs) which discusses why you are interested in summer research, what kind of research you would like to do, and with whom. In addition, if you have any previous research, computer programming, machining, or relevant laboratory experience, please briefly describe it and your level of proficiency here.

With Dr. Bellis we have been working on building the cloud chamber. I would like to be able to further my progress on it if possible. I think that the hands on experience that I get from working on the cloud chamber is great, and I thoroughly enjoy working on it.

Research opportunities typically run between May and August. What time frame best fits your schedule?

May to June, June to July, July to August

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