

Spring 2020 - Individual Development Plan

Name: Jacob Golledge

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Skills Assessment

| What are your strengths? | What skills do you need to develop? |
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| <ul style="list-style-type: none">• I am a quick learner and a hard worker• When something needs to be done, I tend to try to get it done to the best of my abilities• I consider myself pretty good with math and physics• I work well with people in that I know when I need help and that I am willing to help other people when they need help | <ul style="list-style-type: none">• Test taking skills• Stress management• Time management• I want to improve my python skills enough to be able to sit down and write out a block of code without having to go onto stack overflow or another help site to help with a problem I was having• I don't know if this is a skill or not, but I want to improve my professional knowledge and further my professional path |

Short Term Goals

| What are your research goals for this semester? | What steps will you take to accomplish these goals? |
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| <ul style="list-style-type: none">• Really, I want to further what I'm doing. I enjoy coding and seeing how astronomers will manipulate data to gain more knowledge on a certain area.• I would like to know more of the science behind what I am doing coding on. Primarily, I would like to gain more knowledge on cosmology and how galaxies formed in early environments.• I would like to go to more seminars and masters defenses (if that's the name) to see what the next steps in my education would be | <ul style="list-style-type: none">• Try to use python every day to become more familiar with it so that I can code more easily.• Read more research papers on the latest astronomy projects to gain more knowledge about the field, primarily cosmology.• Attend more 'out-of-research' lectures from visitors such as seminars and colloquiums• I will start thinking about how to build my poster and how to talk to people about my research in a higher level of thinking. I want to do this because I am assuming |

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| <ul style="list-style-type: none"> I would like to go to Arkansas for the conference and present on what I have done the past two semesters. I feel like this will help me gain more real like experience talking about my research and talking to more people in the field. | <p>that people at the conference will understand the basic topics better than someone not in astronomy.</p> |
| What professional development would you like to achieve this semester? | How will you accomplish these goals? |
| <ul style="list-style-type: none"> Present my research in Arkansas Apply for REUs Start networking to build contacts and knowledge on peers Start looking at grad schools | <ul style="list-style-type: none"> Sit down and go through the REU website to see what is available and what would fit something on what I would want to do. Ask people within the astronomy field what good programs there are. |

Long Term Goals

| What is important to you in a career? | What additional skills or tools will you need? | How are you going to acquire these skills? |
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| <ul style="list-style-type: none"> Stability to help support family I don't want to be cooped up in an office everyday <ul style="list-style-type: none"> I.e. I want to experience more of the world I want to help contribute to the astronomy field by expanding our knowledge on certain subjects. | <ul style="list-style-type: none"> Money management More experience with telescopes and analyzing the data I would like a better telescope to observe on my own time with or at least access to one | <ul style="list-style-type: none"> Continue going to classes to expand my knowledge on astronomy facts. Read more research papers to see the language and method that goes with writing them. If there are programs or activities to use the telescope that KU has, I would like to be a part of those. |
| What type of work would you like to be doing? | What additional skills or tools will you need? | How are you going to acquire these skills? |
| <ul style="list-style-type: none"> Observational | <ul style="list-style-type: none"> More knowledge on | <ul style="list-style-type: none"> Read proposals and |

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| <p>astronomer with an emphasis in cosmology</p> <ul style="list-style-type: none"> • I want to write proposals for telescope time and actually look through the telescope to obtain data for manipulation later • Later in life I would like to become a teacher to share my knowledge with future generations | <p>galaxies and their formation within the universe.</p> <ul style="list-style-type: none"> • How galaxies interact with each other over extended periods of time. • Possibly a teachers license. • Professional writing skills on asking for telescope time | <p>see the language put into them</p> <ul style="list-style-type: none"> • Take a couple classes on teaching (in the future) • Continue going to classes and out of class seminars • Use telescopes more to gain experience with them. |
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