Ryan McLean

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Objective

I am a sophomore looking for a summer internship in computer science and/or computer engineering

Work Experience

Sep 2019 – Present
Research Assistant, *Michigan State University*, East Lansing, MI.
- Predicting energetic properties of transition metals and heavy elements using quantum mechanics, relativity, and programs such as NWChem and Dirac

May 2019 – Aug 2019
Research Assistant, *University of Michigan*, Ann Arbor, MI.
- Analyzed the spectroscopic properties of gold nanochains using the classical physics models available in DDSCAT
- Wrote Python and C++ scripts to process image data, including programs and libraries such as CellProfiler, ImageJ, and OpenCV
- Publication for the work is to be expected by next summer

Jun 2017 – Aug 2017
Software Engineering Intern, *ESG Automotive*, Troy, MI.
- Interned full time focusing on quality assurance and reporting undesirable userface interactions
- Learned to work a variety of software tools including GitHub, Docker, JIRA, Confluence, and Command Terminal
- Improved method for reporting and communicating bugs through JIRA

Education

Sep 2018 - Present
BS in Computer Science and Chemistry, *Michigan State University*.
- Honors College
- GPA: 4.000
- ACS/Yates Undergraduate Chemistry Award Recipient
- Relevant Courses: Algorithms, Software Development, Computer Architecture, Organic Chemistry, Discrete Mathematics, Differential Equations, Linear Algebra

Activities

Sep 2019 – Present
Unmanned Systems Club.
- Building an apache server so the club's drone can communicate with an external computer to do image process while the drone is flying.

Skills

Programming Python, C++

Other LaTeX, Linux, MS Word, MS Excel, Git, Spanish