Cade Kritsch

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Objectives

Actively pursuing summer internship opportunities in software development and data science. Seeking an opportunity to work with an elite group of computer science professionals that will provide me with improved visibility to various career opportunities available to Harvey Mudd College graduates.

Education

BS in Computer Science/Math: (Target Graduation June 2023)
GPA: 3.55
Harvey Mudd College
340 East Foothill Blvd.
Claremont, CA, 91711

- Relevant coursework includes Introductory Computer Science (Python and Assembly), Principles of Computer Science (Java and Racket), Data Structures and Program Development (C++), Computability and Logic, Machine Learning with Neural Signal, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Differential Equations, Mathematical Analysis, Chemistry in the Modern World, Engineering Practicum, Physics: Mechanics and Wave Motion, Electromagnetic Theory and Optics, Academic Writing, Biology, and Critical Inquiry
- Self-taught fluency in HTML, CSS, Javascript, Matlab, C++, Excel VBA, and Powerpoint
- Current Member of Claremont-Mudd-Scripps NCAA Division III baseball team. Successfully balancing intense academic demands with baseball practices and games. Active member on the CMS leadership council, organizing and participating in volunteer efforts for the younger athletes in the community

Work Experience

Axonics Modulation Technologies – Engineering Intern (June 2021 – August 2021)

- Researched power alternatives for minimally invasive implantable neurostimulation systems used for overactive bladders and urinary/fecal urgency incontinence
- Worked with the Engineering Team to refine existing mathematical models used to measure power consumption of experimental batteries over time
- Automated data collection of test fixture data using Excel VBA, using key words in a test report to compile relevant information into corresponding rows of an Excel workbook - helps the Engineering Team quickly analyze information from hundreds of test reports once the medical device enters the production stage

Harvey Mudd College –Computer Science Grader and Tutor (August 2020 – May 2021)

- Host virtual office hours once a week for two hours where students in HMC's Computer Science class can come and ask questions, as well as grading all homework, labs, and tests for the course

Athlinker – Cofounder / Startup (January 2021 – Present)

- Developing a platform to allow NCAA athletes to capitalize on recent changes in NCAA regulations, which now allow them to accept benefits and earn money based on their name, image, and likeness
- Involved in all aspects of the startup including developing business plan, capital raising efforts, platform development, and marketing
- Target completion for the platform is January 2022 with several established public universities agreeing to beta test the platform in the 2021-2022 academic year

Also held various part time jobs throughout high school while earning a Valedictorian status, most notably administering the position of shift manager at the Hitting Zone batting cage in Thousand Oaks and working as a sales associate at Staples