Will Hord

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Motivated college sophomore Computer Science/Computer Engineering major with a passion for exploring all things technical. Seeking a summer internship in the area of computer science.

Education

University of California Santa Cruz - Baskin School of Engineering
Computer Science and Engineering Major – Bachelor of Science expected June 2023
Current GPA: 3.32

Dobbs Ferry High School, Dobbs Ferry, NY
International Baccalaureate Diploma - June 2019

Work Experience

IBM Watson Research Center, Machine Learning Research Intern, Yorktown, NY *June 2018 – February 2019*
Conducted two independent Machine Learning research projects resulting in authoring a scientific research paper presented at the SPIE medical imaging conference - February 2019.

Pelham School District, Technology Office Intern, Pelham, NY *May – June 2019*
Served as hardware, software and networking consultant for the district.
Coordinated technical logistics for district-wide virtual STEM conference.

Programming Proficiency

Proficient in:	Familiar with:	Exposure to:
Python, HTML, CSS, C++, C, JavaScript, React JS	MATLAB, Java, SQL	R, C#, PHP

Publications

Predicting Conversion to Psychosis in Clinical High Risk Patients using Resting-State Functional MRI Features
SPIE. Jolie McDonnell, **William Hord**, et al. *March 2019*

Relevant Academic Courses

CSE 101: Intro to Data structures and Algorithms	CSE 16: Discrete Math
CSE 30: Programming Abstractions: Python	Math 23A: Vector Calculus
CSE 12: Computer Systems and Assembly Language	Math 19A/19B: Calculus for Science, Math, and Engineering
CSE 13: Embedded Systems and C Programming	AM 10: Math Methods for Engineers
CSE 102: Intro to Analysis of Algorithms	AM 20: Math Methods for Engineers II

Awards and Memberships

Cruz Hacks – January 2020 – Santa Cruz, CA
- Participated in multi-university hackathon collaborating with a team to develop an iOS app to detect recyclable materials using machine learning

Slugbotics – September 2019 to present – Santa Cruz, CA
- Robotics Club at University of California Santa Cruz
- Aided in the design and creation of underwater remotely operated vehicle

Formula Slug – September 2019 to present – Santa Cruz, CA
- SAE Electric racing team at University of California Santa Cruz
- Collaborated with team to design components for electric vehicle

Westlake Regional Science Fair – 3rd Place – *Testing Quantum Encryption Protocols in Real-life Situations Using Secure Quantum Tunnels*

International Baccalaureate Award for developing a school-wide program, *Teaching Teachers to Integrate Technology into their Classrooms*

Eagle Scout Rank – Boy Scouts of America

Leadership and Extracurricular Activities

Eagle Scout Project – *Design and creation of an Elementary School Environmental Outdoor Classroom*
Machine Learning Boot Camp – *Weekend course dedicated to learning Machine Learning*
Student Government Legislative Branch – *Vice President* and *Grade Representative*
National Youth Leadership Training Course – *Staff – Assistant Senior Patrol Leader*

Skills and Interests

Programming, robotics, hacking, machine learning, web design, building computers, server management, taking things apart and repurposing technology, camping, SCUBA certified