

# 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

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### University of California Santa Cruz - Baskin School of Engineering

Computer Science and Engineering Major – Bachelor of Science expected June 2023

Current GPA: 3.17

### Dobbs Ferry High School, Dobbs Ferry, NY

International Baccalaureate Diploma - June 2019

## Work Experience

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### 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

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#### Proficient in:

Python, HTML, CSS, C++, C,  
JavaScript, React JS

#### Familiar with:

MATLAB, Java, SQL

#### Exposure to:

R, C#, PHP

## Publications

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### 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

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CSE 101: Intro to Data structures and Algorithms

CSE 30: Programming Abstractions: Python

CSE 12: Computer Systems and Assembly Language

CSE 13: Embedded Systems and C Programming

CSE 16: Discrete Math

Math 23A: Vector Calculus

Math 19A/19B: Calculus for Science, Math, and Engineering

AM 10: Math Methods for Engineers

## Awards and Memberships

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### 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 – 3<sup>rd</sup> 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

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### 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

Community Service – Including: Boy Scouts, Zion Episcopal Church, Hudson Valley Honor Flight, Greenburgh Nature Center, Saw Mill River Clean Up, American Legion Post 1048, Village of Dobbs Ferry, Westchester Food Bank, Trails Maintenance

## Skills and Interests

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