

Jian Hao Miao

Oakland, CA

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Education:

University of California, Santa Cruz 94064

Fall 2015- 2019

- Pending BS in Computer Engineering with a concentration in Robotics and Controls
- Pending Minor in Computer Science
- Dean's Honor: Fall 2016, Winter 2016
- GPA: ~3.3

Relevant Coursework:

- Physics: Dynamics, Optics, Electromagnetics
 - Math: Vector Calculus, Discrete Math, Probability and Statistics
 - Programming: Computer Systems and Assembly Language, Data Structures and Algorithms, Computer Systems and C programming
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Skills and abilities:

- Proficient in Java, Python, and C
 - Proficient with Windows
 - Familiar with HTML/CSS, Wordpress
 - Familiar with AutoCAD and Inventor
 - Familiar with Linux and Github
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Experience:

USCS ISIS Lab Undergraduate Research Assistant

April 2016 - December 2016

University of California Santa Cruz - 1156 High St, Santa Cruz, CA 95064

- ISIS: Interactive Systems for Individuals with Special Needs
- Worked with a graduate student to build a device for suppressing Parkinson's
- Responsible for literary review - ie: doing research on Parkinson's, researching what other's have done, and drafting possible approaches to the project

UCSC DANDER Lab Undergraduate Research Assistant

September 2015 - June 2016

University of California Santa Cruz - 1156 High St, Santa Cruz, CA 95064

- DANDER: Dynamics, Autonomous Navigation, Surface Engineering and Robotics Lab
 - Responsible for creating CAD and physical models of various proponents including a tensegrity arm and a tensegrity quadruped
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Community Service and Leadership:

Hour of Code

September 2015 - Present

Green Acres Elementary School - 966 Bostwick Ln, Santa Cruz, CA 95062

- Organize and host workshops at a local elementary school and give students a basic overview of what programming is about and why technology is so important

Friends of Children with Special Needs

October 2012 - September 2015

2050 Lincoln Ave. Alameda, CA 94501

- Work and interact with children that has special needs, providing them with an friendly environment where they are able to participate in various recreational activities such as exercising and table tennis
- Also involved in outreach: telling other students about the community service and encouraging more people to volunteer to volunteer