

# John Ryan

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## Pursuing Position of Software Engineer

### EXPERIENCE

#### **CODE HOBBITS | SITE MANAGER AND LEAD INSTRUCTOR**

May 2017 – Sep 2018 | Fremont, CA

- Summer and after-school program hosting classes in subjects such as robotics, video game and app development, and virtual reality.
- Managed parent relations and two instructors and developed curriculum for several classes.
- Instructor for Engineering and Entrepreneurship, a class teaching product development, manufacturing, and marketing skills.

#### **RUI YUAN WEN DE COMPANY | SUMMER INTERN**

Aug 2015 – Sep 2016 | Beijing, China

- Forensics and security product distributor in China. Located at the main office in Beijing.
- Summer intern for two summers studying Mandarin and business skills.
- Developed marketing material for the cyber-security department.

#### **NEAL FEAY COMPANY | CNC OPERATOR AND MACHINIST**

Jun 2015 – Aug 2015 | Goleta, CA

- Industrial design firm working on commissioned art projects, designer furniture, and audio enclosures.
- Manufactured parts for clients such as Crestron and Holly Hunt Designs.

### RESEARCH

#### **SLAC NATIONAL ACCELERATOR LABORATORY | UNDERGRADUATE RESEARCHER**

Sep 2018 – Dec 2018 | Menlo Park, CA

Worked with a researcher from Stanford and a team of Carnegie Mellon graduate students developing a system for solar power data aggregation. Helped to develop and automate the orchestration of cloud infrastructure.

#### **SANTA CLARA UNIVERSITY AND ANDÁLO | PRODUCT DEVELOPER**

September 2018 – Present | Santa Clara, CA

Developing an assistive device for the visually impaired using machine learning and computer vision. Creating and training a neural network on accelerated hardware. System facilitates object recognition to identify potential hazards and notify the user to aid in navigation.

### EDUCATION

#### **SANTA CLARA UNIVERSITY | MS IN ENGINEERING MANAGEMENT AND LEADERSHIP**

College of Engineering | Expected June 2020 | Santa Clara, CA

Cum. GPA: 4.0

Relevant Coursework: Managerial Accounting • Internet of Things Development and Design

#### **SANTA CLARA UNIVERSITY | BS IN COMPUTER SCIENCE AND ENGINEERING**

College of Engineering | Expected June 2019 | Santa Clara, CA

Cum. GPA: 3.4

Relevant Coursework: Software Engineering • Object Oriented Design, Analysis, and Programming • Theory of Algorithms • Abstract Data Structures • Database Systems • Compilers and Formal Language Theory • Computer Architecture

### SKILLS

#### **PROGRAMMING AND MARKUP LANGUAGES**

- Java
- C
- ARM Assembly
- Python
- C++
- HTML/CSS

#### **FRAMEWORK AND LIBRARY EXPERIENCE**

- Django
- Java Swing
- Bootstrap 4
- Terraform