

# Zachary Robin

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Permanent: Seattle, WA

Current: Santa Clara, CA

## EDUCATION

### SANTA CLARA UNIVERSITY

BACHLOR OF SCIENCE, COMPUTER

SCIENCE AND MATHEMATICS

Minor: Studio Art

Graduation June 2020

## CODING

C++ • C • JS • Python • Assembly •

React • Angular JS • Scala • Java •

HTML5 + CSS 3

## COMPUTER SKILLS

MongoDB • JSON • XML • Azure •

Windows • Linux • Unity Engine • FTP

• Git Data Structures • MacOS • Jira •

Confluence

## COURSEWORK

Machine Learning/ Data Mining •

Software Management and Design •

Imbedded Systems • Object Oriented

Programming • Data Structures •

Discrete Math • Computer Networking

• Programming Languages • Theory of

Algorithms • Web Programming •

Linear Algebra • Logic and Design

## INVOLVMENT

SCU EMS • SCU Laptop Orchestra •

Maker Club • ACM • TEDxSCU

## CERTIFICATIONS

PediatricPlus CPR, AED, and First Aid

Instructor (SCU EMS, 2020)

## LINKEDIN QR CODE

SCAN TO VIEW MY PROFILE



## EXPERIENCE

### ADAPTIVE BIOTECHNOLOGIES| Software Engineering Intern

Jun 2019 – Aug 2019 | Seattle, WA

- Worked with Software Engineering Assurance team (SEA) utilizing Agile software development
- Designed automated tests in Java to validate and verify Pipeline for Ogami Release
- Designed parsing algorithms in Java for internal XML, JSON, CSV and TSV documents improving readability
- Debugging and documenting existing Java code from previous pipeline releases in Confluence and Jira
- Designed full stack MERN application for conference room displays

### THE 2THFAIRY NPO| CO-Founder/ OPERATOR

May 2011 – June 2017 | Seattle, WA

- Created, designed and manage website
- Designed and prepared packages for efficient shipment.
- Acquire donations and manage fundraisers
- Coordinate national and international partnerships

## EXTRACURRICULAR

### SANTA CLARA LAPTOP ORCHESTRA (SCLOrk)| Member of Ensemble

Dec 2019 – Present | Santa Clara, CA

- Designing synthesizers in Supercollider
- Programming music visualizer and interpreter in Python
- Performing live pieces in ensemble

### SCU EMS | EMT-B

April 2018 – Present | Santa Clara, CA

- Respond to emergencies in university community using basic life support techniques
- Perform complete medical and psychological assessment, provide immediate pre-hospital treatment

### SCU EMS | Operations Officer

May 2019 – Present | Santa Clara, CA

- Balances and maintains operational budget of \$25,000 used to cover transportation, food, equipment and training costs
- Maintains all operational equipment, including medical, organizational, and transportation assets
- Attending the 2020 National Collegiate Emergency Medical Services Foundation (NCEMSF) conference representing SCU EMS

### HOOR OF CODE | VOLUNTEER

December 2017 | Santa Clara High school, CA

- Presented on computer science to novice students.
- Educated and assisted high school freshman with first time coding.