

# Daniel Okazaki

## Links:

<https://github.com/dtokazaki> (Github)  
<https://www.linkedin.com/in/dtokazaki/> (LinkedIn)  
<http://students.engr.scu.edu/~dokazaki/portfolio/> (Personal Website)

## Contact:

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(408) 627-2851  
Santa Clara, CA

Masters of Science in Computer Engineering Student. Experience working with web APIs and AWS development tools. Familiar with AI in python using the libraries cv2 and NumPy. Currently looking for a Software Engineer Internship for Summer 2019 and a part-time Software Engineer Job for Fall 2019.

## Education

### Santa Clara University, Santa Clara, CA

Masters of Science in Computer Engineering Student, Expected June 2020

### Santa Clara University, Santa Clara, CA

Bachelor of Science in Computer Engineering Student, 3.213 GPA, Expected June 2019

**Related Coursework:** Operating Systems(Linux), Advanced Operating Systems(Linux), Computer Networks(TCP,UDP), Advanced Data Structures, Discrete Math, Theory of Algorithms, Embedded Systems (ARM Assembly), Digital Integrated Circuit Design, Artificial Intelligence, Software Engineering, Engineering Ethics,  
**Current Coursework:** Advanced Algorithms, Compilers, Web Usability, Senior Design (Capstone Project)

## Skills

**Languages:** C, C++, Python, HTML, Javascript

**Operating Systems:** Windows, Mac, Linux

**Applications:** Microsoft Word, PowerPoint, Excel, Vim, MATLAB, Synopsys Custom Compiler, AWS(Lambda, DynamoDB, and API Gateway)

## Projects

*Bug Reporting System:* Worked together with a team to create a bug tracking system for the Santa Clara University IT Department. The website is programmed in HTML, Javascript, and CSS while the database is programmed in Python using AWS Lambda, AWS API Gateway, and AWS DynamoDB. Basic UI is similar to Zoho Bug Tracker. Project demo on personal website.

*Facial Recognition Program:* Built an artificial intelligence program that compares the accuracy between different rank-K subspaces in Python. Libraries used: cv2 and NumPy. GitHub repository on personal website.

*Piggy Bank Mobile Application Backend:* Built a backend API database in Python using AWS for a piggy bank application. A guardian or parent can assign chores to a child to complete. Once completed, credits determined by the parent or guardian is added to the child's account. GitHub repository on personal website.

*2017 SCU Hack for Humanity Finalist:* Worked together in a group to create a website that displayed the current bills and legislature passing through the California Government. Created the function to get a bill using an id and a dictionary to store responses from an API. Project demo on personal website.

## Leadership Experience

### Kennedy Elementary School

*Volunteer STEM Instructor*

**April 2018 - June 2018**

- Helped teach around 20 elementary students about Arduinos.
- Lessons based on basic circuit design and programming using the Snapino kit.
- Developed a lesson plan about analog vs. digital and photoresistors.