# Daniel Okazaki

Address:
1068 Blackfield Court
Santa Clara, CA 95051

daniel.t.okazaki@gmail.com
www.github.com/dtokazaki
www.linkedin.com/in/dtokazaki

Contact:
(408) 627-2851 (Cell)
(408) 940-7084 (Home)

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## Education

**Santa Clara University, Santa Clara, CA**
Bachelor of Science in Computer Engineering, 3.213 GPA, Expected June 2019

**Santa Clara University, Santa Clara, CA**
Masters of Science in Computer Engineering, Expected June 2020

**Related Coursework:** Operating Systems, Advanced Operating Systems, Computer Networks, 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.

*Facial Recognition Program*: Built an artificial intelligence bot that compares the accuracy between different rank-K subspaces in Python.

*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.

*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.

## Leadership Experience

**Kennedy Elementary School** **April 2018 - June 2018**
*Volunteer STEM Instructor*

- 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.

## Activities

*Member:* Association for Computing Machinery, 2015-Present
*Computer Builder: B*uilt, upgraded, and troubleshooted many Windows based systems.