

# Andrew Pang

andrewpang.org ❖ andrew.y.pang@gmail.com ❖ (626) 376-1132 ❖ San Jose, CA

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## EXPERIENCE

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### Dr. Martin Luther King Jr. Library, San Jose Public Library

San Jose, CA

*Friends of the Library Bookstore Volunteer*

November 2019 - Current

- Engage in professional development activities, such as taking continuing education classes and attending or participating in workshops and public events.
- Quickly analyze patrons' requests to determine needed information, and assist in locating that information within over 10,000 books.

*Computer Instructor at Partners in Reading*

November 2019 - Current

- Educate and advise small groups and individuals to help improve their digital literacy.

### Engineering and Science, Osaka University

Osaka, Japan

*Summer Lab Researcher at Hosoda Laboratory*

June 2018 – August 2018

- Used microcontrollers to develop control signals, implemented control algorithms, and reduced the total cost of the project by 50%.
- Evaluated current or emerging technologies to consider factors such as cost, portability, compatibility, or usability.
- Wrote detailed functional specifications that document the hardware development process, the design specifications, and the installation instructions.

### UCSC Campus Natural Reserve

Santa Cruz, CA

*Researcher at Forest Ecology Research Plot*

September 2017 – December 2017

- Coordinated with a team of six to learn the importance of proper standardized protocols when collecting data and organized a database of over 28,000 entries to help support the development and maintenance of long-term ecological monitoring of the forest.

*Trail Mapping*

January 2017 – March 2017

- Coordinated with a small team to collect forest data to produce or update overlay maps to show information boundaries, water locations, or topographic features on various base maps while ensuring accuracy/identifying and marking errors and making corrections by using geographic information systems(ArcGIS) to establish short-term and long-term plans for forest conservation.

## SKILLS & INTERESTS

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**Skills:** Visualize, Examine, Systematize, Create, Coordinate, Keep Records, Organize

### Coding Skills:

HTML	Python	SQL	Photoshop
CSS/SCSS	Java	MongoDB	Sketch
JavaScript	C++	Express.js	Git

**Interests:** Web Development; Mathematics; Photography; Painting; Astronomy; Hiking

## EDUCATION

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### University of California, Santa Cruz

Santa Cruz, CA

BA, Major in Computational Mathematics, Minor in Computer Science

March, 2019