

EDUCATION

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- **University of Hawaii at Manoa: B.S. in Computer Science** (May 2019). Overall GPA: 3.8; Major GPA 3.95
- **Relevant Coursework:** Java I & II, Discrete Math I & II, Program Structure, C, C++, Algorithms, Machine-Level & Systems Programming, Operating Systems, Software Engineering I & II, Databases, Mobile App Design, Web Development, Data Visualization, Security & Ethics, Data Networking

RELEVANT EXPERIENCE

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**SOFTWARE DEVELOPER** University of Hawaii at Manoa 11. 2018 – Present

- Created software for SAGE2, a web based collaboration system, using **Javascript** and **Angular 2**
- Engineered data visualizations for data scientists using **Plotly.js** and **Leaflet**

**SOFTWARE DEVELOPER** University of Hawaii at Manoa 08. 2018 – Present

- Developed code primarily for UHGroupings API using **Java** and **Internet2's Grouper API**
- Analyzed program structure for UHGroupings UI to consolidate code

**DATABASE PROGRAMMER** University of Hawaii at Manoa 07. 2018 – 8.2018

- Devised a database with randomized college level physics problems using **PostgreSQL** and connected it to a user friendly GUI using **LaTeX**, allowing users to generate physics assessments as PDFs

**ASSISTANT WEB DEVELOPER** University of Hawaii at Manoa 06. 2018 – 11. 2018

- Maintained website and designed mockups for the Nutrition Education for Wellness program using **HTML** and **CSS**

**TUTOR** University of Hawaii at Manoa 01. 2018 – 05. 2018

- Taught complex computer science concepts in simple terms to Java I & Java II & Electrical Engineering students in **Java** and **C**

**ASSISTANT TEACHING ASSISTANT** University of Hawaii at Manoa 01. 2018 – 05. 2018

- Collaborated with the head teaching assistant to educate Java II students
- Formed lesson plan to teach students about data structures in **Java**

ACTIVITIES & PROJECTS

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**SOFTWARE DEVELOPER** Hawaii HIV Needs Assessment 01.2019 – Present

- Analyzed and cleaned data concerning AIDS patients provided by the Hawaii Health & Harm Reduction Center using **SPSS** and Google Drive
- Implemented a website with data visualizations respecting AIDS patients to see how their care and quality of life can be improved
- <https://awyz.github.io/AIDSHIVData/index.html>

**1ST PLACE WINNER** Hawaii Annual Code Challenge 11.2018

- Won state sponsored hackathon
- Built a dashboard that tracks energy usage on the University of Hawaii at Manoa's campus using **HTML**, **CSS**, **Javascript** & **Java** to help the University of Hawaii's goal of having net-zero with respect to energy use.
- <https://github.com/HACC2018/Team-Pika>

**OFFICER** Algorithms for Competition and Interviews 08. 2018 – 12.2018

- Collaborated with fellow officers to develop lesson plans aimed at teaching algorithms concepts in **Java** to computer science students

LANGUAGES AND TECHNOLOGIES

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- Languages: Java, JavaScript, C, C++, HTML, CSS, x86 Assembly
- Frameworks: Flask, Semantic UI, Bootstrap
- Backend: MongoDB, Oracle DB, PSQL, SQL\*Plus
- Visualization Libraries: Plotly.js, Leafletjs, Visjs, Echarts, Chartjs