Aaron Tsang

SOFTWARE ENGINEER

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Education

University of Washington, Seattle | Class of '22   *Seattle, WA*

B.S. IN HEALTH INFORMATICS/HEALTH INFORMATION MANAGEMENT   *Sept 2018 - June 2022*

- **Relevant Coursework:** Foundations of Informatics (*Invision, Figma, R*), Computer Programming II (*Java*), Web Programming (*HTML5, CSS, VanillaJS, Node / Express, RESTful APIs, SQLite*)
- **Cumulative GPA:** 3.53/4.0
- **Quarterly Dean's List:** 4 out of 6 quarters

Experience

App Developer   *Seattle, WA*

HuskyADAPT/SEATTLE CHILDREN'S HOSPITAL   *Mar 2020 - PRESENT*

- Developing an iPad application to serve 25+ Cancer Care in-patients, using geocaching concepts to aid in combating effects of chemotherapy. (*Swift, XCode*)
- Building a database, used by all nurses and physical therapists, to track the daily and overall progress of patients' physical activity. (*Firebase*)

Dining Assistant   *Seattle, WA*

UW HOUSING AND FOOD SERVICES   *Jan 2020 - Mar 2020*

- Prepared and served breakfast at the Center Table location

Undergraduate Researcher- Bioinformatics Analyst   *Seattle, WA*

GENETICALLY ENGINEERED MATERIALS SCIENCE AND ENGINEERING CENTER (GEMSEC) RESEARCH LAB   *Sept 2019 - Jun 2020*

- Narrowed 10,000 candidate peptides down to 3, based on protein compatibility, utilizing various mathematical algorithms and models such as the Resonant Recognition Model. (*Python*)
- Co-writing the documentation of the overall process and results of current project for a scientific journal.

Android Tech Lead   *Shanghai, China*

MODEL UNITED NATIONS/GLOBAL ISSUES NETWORK MOBILE APP   *May 2017 - Jan 2018*

- Led 4 developers and 2 designers to learn and develop using Android Studio and Github.
- Developed the entire application to help traffic 1000+ students and faculty over 2 days for the annual conference. (*XML, Java, Android Studio*)
- Acted as liasion between faculty, iOS team, and event organizers, providing feedback and goals for the team.

Projects

DAX Services LLC Website

Led a team of 3 students to design a website as a marketing tool for a local business. Iterated multiple high fidelity wireframes based on user research, competitive analyses, and usability tests. On-boarded client to independently modify their website for future needs.

Video Streaming Website

Developed a simple web application to stream videos based on search terms. Data was pulled from Youtube's API to render the top-related videos. (*ReactJS, Semantic-UI*).

Weather iOS App

Developed a mobile iOS application, that is Dark Mode compatible, that utilizes users' current location to track local weather. Also offers a search feature to allow for weather in different cities. (*SwiftUI, SF Symbols*).

Skills

Languages	Java · R · Python · JavaScript · NodeJS/Express · ReactJS · SwiftUI ·
Markup	HTML5 · CSS · XML
Other Tools	Github · Android Studio · Invision · Figma · Photoshop CC · XCode · SQLite