

Aaron Tsang

SEEKING SWE INTERNSHIP FOR FALL 2022

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Education

University of Washington, Seattle | Class of '22

sep 2018 - jun 2022

B.S. IN HEALTH INFORMATICS/HEALTH INFORMATION MANAGEMENT

seattle, wa

- **Relevant Coursework:** Udemy: Modern React with Redux (*ReactJS, Redux*), Foundations of Informatics (*Invision, Figma, R*), Computer Programming II (*Java*), Web Programming (*HTML5, CSS, VanillaJS, Node / Express, RESTful APIs, SQLite*)
- **Major GPA:** 3.98/4.0

Experience

Incoming Technology Intern

june - aug 2021

WEST MONROE PARTNERS

seattle, wa

Student Accessibility Assistant

sep 2020 - present

UW INFORMATION TECHNOLOGY

seattle, wa

- Identify, test, and participate in fixing 75+ accessibility issues throughout collaborations with Zoom, Microsoft, and DocuSign
- Set up recurring meetings, create meeting agendas, and manage related collaboration resources
- Presented to 100+ individuals as a part of UW's 'No Errors' Campaign on Global Accessibility Awareness Day

Engineering Lead

feb 2020 - present

HUSKYADAPT/SEATTLE CHILDREN'S HOSPITAL

seattle, wa

- Lead the engineering team of 7 developers in creating a full-stack web and an iOS application
- Develop front-end web application using **ReactJS/Redux** for physical therapists and nurses to oversee 20+ patients' physical rehabilitation
- Liaison between the design and development teams as well as design chairs to set up meetings, goals, and progress checkpoints

Project Lead

jul - sep 2020

DAX SERVICES LLC

seattle, wa

- Iterated multiple high fidelity wire frames based on user research and competitive analyses using **Figma**
- Led a team of 3 in designing a website to kickstart DAX Services' online presence
- Attracted over 140+ views of the website and 70+ unique visitors since launching in September 2020

Undergraduate Researcher- Bioinformatics Analyst

sep 2019 - jun 2020

GENETICALLY ENGINEERED MATERIALS SCIENCE AND ENGINEERING CENTER (GEMSEC) RESEARCH LAB

seattle, wa

- Narrowed 10,000 candidate peptides down to 3 by recreating the Resonant Recognition Model using **Python**
- Co-write the documentation of the overall process and results of current project for a scientific journal

Projects

T-Mobile Website Redesign

mar 2020 - present

PASSION PROJECT

Redesign the T-Mobile website homepage using **ReactJS** to make it accessible to keyboard and screen reader users.

Health Informatics Portfolio

mar 2020 - present

PASSION PROJECT

Develop a digital portfolio to feature coursework from the major using **ReactJS/Redux**. Continuously adding/modifying code as new concepts are learned from self-paced course.

Huffman Coding

dec 2019

CLASS PROJECT

Configured the Huffman Coding algorithm to compress and efficiently save text files by occupying storage based on character frequency. The entire book of Hamlet was compressed down to ~ 54% of its original size using **Java**

Skills

Languages Java · R · Python · JavaScript · NodeJS/Express · ReactJS/Redux · SwiftUI · HTML5/CSS/XML