

EDUCATION

B.S. Computer Science

B.S. Applied Math (Focus: Discrete Math & Algorithms)

Minors: Statistics & Dance

University of Washington – Seattle, WA

Expected Graduation: June 2021

Honors and Awards: Google Scholarship 2018–2019,

BAVA Scholarship 2018–2019

Activities: Open-Source UW, ACM, SWE, Schnapsen Club

A.S. Electrical and Computer Engineering

A.A. Computer Science

Tacoma Community College – Tacoma, WA

Graduated: June 2018

Distinction: High Honors

Honors and Awards: Student of the Year Finalist

2017–2018, Math Student of the Year Runner-Up

2017–2018

Activities: Developers Club, The Engineering Club

WORK EXPERIENCE

Undergraduate Research Assistant | Dr. Eric C. Ford & Dr. Dolla Toomeh @ UW Medical Center | November 2018 – Present

- Our goal is to create a new generation of devices that provide advanced Radiation Therapy more affordably to ease global health disparities.
- Project is featured in *The Physics World* (thephysicsworld.com) Top 10 Breakthroughs of 2018.
- Researches novel design of physical compensator based IMRT device on team and implements physical compensator in Python script which is connected to planning software (RayStation).
- Collects, analyzes, and clearly summarizes data using a variety of techniques and technologies including MATLAB, Excel, Jupyter Notebook, and Python.

Student MATLAB Ambassador | MathWorks | November 2018 – Present

- Implements creative ideas for spreading awareness for the MathWorks brand and products among students. Promotes MathWorks presence on campus and demonstrates MATLAB software applications through planned monthly events.

Software Engineering Intern | CueMed Inc. @ Front-End Team | June 2018 – September 2018

- CueMed Inc. is a digital health hardware startup focused on improving medication adherence and health conditions with chronic conditions.
- Implemented maintainable front-end and back-end code based on design specification in ReactJS, NodeJS, CSS/SASS, TypeScript, JSON, and vanilla JavaScript.

Undergraduate Research Assistant | Dr. Ka Yee Yeung @ University of Washington Tacoma | June 2018

- Our goal was to contribute to a crowdsourcing project to build predictors to distinguish people who became contagious or develop symptoms after exposure to the flu or other respiratory viruses.
- Analyzed and summarized large amounts of biological data in R and Jupyter Notebook using statistical methods.

Mathematics Tutor & Front Desk Staff | Tacoma Community College @ MARC | January 2017 – June 2018

- Simplified and effectively communicated complex math problems to students in simple terms and coached them to strategically think about abstract problem-solving under pressure.
- Created handouts and study aides for statistics students to be used by the college.
- Certified Tutor – College Reading & Learning Association (CRLA) Level II Certificate

LEADERSHIP EXPERIENCE & EXTRACURRICULARS

SWE Hacks19 Organizing & Leadership Team | Public Relations Committee Member | November 2018 – Present

- Organizes SWE Hacks19, the collegiate hackathon hosted by the Society of Women Engineers (SWE) chapter at the University of Washington, on appointed team of committee members.

Hackathon Participant | January 2018 – Present

- Hacked in over 15+ local, national, and collegiate hackathons
- Most notable projects include redesigning a website in WordPress for a non profit organization in under 36 hours at Seattle GiveCamp 2018. See project here: <http://ststephenhousing.org/>
- Favorite projects include developing a livestream VR of 360 degree video in under 36 hours at SheHacks 2018 hosted by Boston University. See project here: <http://github.com/clarisaleu/Leonardo>