Clarisa Leu | clarisaleu@gmail.com | 206.321.3257

EDUCATION

B.S. Computer Engineering
B.S. Applied Math (Focus: Discrete Math & Algorithms)
Intended Minor: Statistics
University of Washington – Seattle, WA
Expected Graduation: June 2021
Honors and Awards: Google Scholarship 2018-2019,
BAVA Scholarship 2018-2019
Activities: Open-Source Club, SWE Chapter Member

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 @ 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.
- Researches novel design of physical compensator based IMRT device and implements physical compensator in Python script which is connected to RayStation.

Student IT Consultant | University of Washington @ UW-IT | September 2018 – November 2018
- Provided Tier 1 Support for Microsoft, Mac, and Unix-based operating systems by phone, email, and in person for University systems and tracked requests through tracking system.
- Consulted with experts that support the technological needs of the University of Washington and used skilled of observations in order to resolve issues for customers.

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
- Summer research program with a focus on bioinformatics, biostatistics, statistical computing, and data science.
- 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
- Daily assisted over 35 undergraduate students with one on one, drop in based tutoring with various math subjects in the Math Advising Center with a 10 to 1 student to tutor ratio in a fast-paced environment.
- Simplified and effectively communicated complex math problems to students in simple terms and coached them to strategically think about abstract problem-solving under pressure.
- 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 14+ local, national, and collegiate hackathons
- Placed in 70% of hackathons where a prize was offered
- 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