

# **Clarisa Leu-Rodriguez**

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## **EDUCATION**

### **University of Washington, Seattle | B.S. Computer Engineering & B.S. Applied Math | June 2021**

- *Honors and Awards: Generation Google Scholarship 2019-2020, Motorola Solutions Scholarship 2019-2020, GHC + Tapia 2019 Scholar, BAVA Scholarship 2018-2020, Google Scholarship 2018-2019*
- *Leadership: Associate Officer for UW CSE ACM (October 2019 - June 2020), SWE Hacks19 Organizing & Leadership Team (November 2018 - April 2019).*
- *Activities: OpenSource Club UW, SWE Chapter Member*

### **Tacoma Community College | A.S. Computer Engineering & A.A. Computer Science | September 2018**

- *Honors and Awards: Graduated with High Honors, Student of the Year Finalist 2017-2018, Math Student of the Year Runner-Up 2017-2018.*
- *Activities: Engineering Club, Developers Club*

## **WORK EXPERIENCE**

### **Software Engineer | Facebook | August 2021 - Present**

- *Worked on the wearable devices team within Facebook Reality Labs. Primary development language: Kotlin.*
- *Contributed software engineering expertise in the development of products and new features within FRL (Android) through the software cycle including: reviewing code to verify and enforce best practices, practicing mindful attention to develop good design requirements, writing quality code, and careful testing.*

### **Software Engineering Intern | Facebook | June 2020 - September 2020**

- *Worked within the games org on the Facebook Games mobile application (iOS/Android) to develop new, standalone surface for browsing gaming clips. Primary development languages included Hack and PHP.*

### **K-12 Computer Science Instructor | Coding With Kids | September 2019 - December 2019**

- *Instructed K-12 students on a variety of programming languages, general computer science topics, and critical thinking exercises. Primary development languages included Python, JavaScript, and MIT's Scratch.*

### **Facebook University for Engineering Intern - Android Development | Facebook | June 2019 - August 2019**

- *Learn basics of Android Development through accelerated CodePath program. Primary development language: Java.*
- *Collaborated with two other FBU interns to design and build a travel application in Android and gained skills in software engineering, product development, application design and philosophy in a small team setting.*

### **Student MATLAB Ambassador | MathWorks | November 2018 - August 2019**

- *Implemented creative ideas for spreading awareness for the MathWorks brand and products among students.*
- *Promoted MathWorks presence on campus and demonstrated MATLAB software applications through planned monthly events at the University of Washington.*

### **Software Engineering Intern | CueMed Inc. | 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 in JavaScript and CSS.*

### **Mathematics Tutor | Tacoma Community College | January 2017 - June 2018**

- *Daily assisted over 35 undergraduate students with one on one, drop in based tutoring with various math subjects ranging from algebra, trigonometry, statistics, calculus, linear algebra, and differential equations.*
- *Created handouts and study aides for statistics students to be used by the college.*
- *Simplified and effectively communicated complex math problems to students in simple terms and coached them to strategically think about abstract problem solving.*

### **Bookstore Assistant | Tacoma Community College | February 2016 - November 2016**

- *Worked at the front end of the book store; ensuring inventory was organized and supplies were stocked throughout the store.*
- *Assisted students in renting, returning, and purchasing textbooks.*
- *Maintained knowledge of over 200+ textbooks and assisted in inventory for the bookstore by counting and logging them into the POS system.*

## **RESEARCH EXPERIENCE**

**Undergraduate Research Assistant | Dr. Eric C. Ford & Dr. Dolla Toomeh @ UW Medical Center | November 2018 - June 2019**

- *Our goal was 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.*
- *Researched novel design of physical compensator based IMRT device on team and implemented physical compensator in Python script connected to planning software (RayStation).*
- *Collected, analyzed, and clearly summarized data using a variety of techniques and technologies including MATLAB, Excel, Jupyter Notebook, and Python.*

**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 developed 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.*

## **LEADERSHIP EXPERIENCE & EXTRACURRICULARS**

**Hackathon Participant | January 2018 - June 2021**

- *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>*

**Associate Officer | University of Washington CSE ACM Chapter | October 2019 - June 2020**

- *Supported initiatives led out by ACM (within the Paul G. Allen School) and helped organize student events. SWE Hacks19 Organizing & Leadership Team | Public Relations Committee Member | November 2018 - April 2019*
- *Helped organize SWE Hacks19, the collegiate hackathon hosted by the Society of Women Engineers (SWE) chapter at the University of Washington, on an appointed team of committee members.*