

# RAIDA KARIM

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## EDUCATION

**University of Washington (UW),** Seattle, WA Expected Graduation: June 2021

B.S. in Computer Science, Dean's List, GPA: 3.73/4.00

**Course Highlights:** Data Structures, Software Design & Implementation, Hardware/Software Interface, Systems Programming, Natural Language Processing (NLP), Robotics, Entrepreneurship

## WORK EXPERIENCES

**Software Engineering Intern, Cisco Systems, Inc.,** Seattle, WA June 2020 – Present

Working with the Webex Platform Services team to automate sending and populating new welcome email templates for specific license types of unified clients for the messaging, meeting, and calling services of Webex Teams and Meetings applications through full-stack web development

**Undergraduate Researcher, NLP Group,**

**UW Computer Science & Engineering (CSE) Department,** Seattle, WA Sept 2019 – Mar 2020

- Generated, analyzed, and visualized math word problems from the annotated math equations using transformer model architecture
- Made modifications, ran experiments, and evaluated results from pertained model

## TECHNICAL QUALIFICATIONS

**Programming Languages:** Java, Python, C/C++, R, JavaScript, HTML/CSS

**Libraries/Frameworks:** REST, Spring, Cozmo SDK, OpenCV, Scikit-Image, Scikit-Learn, RStudio, PyTorch

**Tools:** Git, Linux/Unix, IntelliJ, Maven, LaTeX

## RELEVANT COURSE PROJECTS

**CozmoTA – Robotics Capstone, CSE 481** May – June 2020

- Developed a mini-robot Teaching Assistant (TA) in Cozmo SDK platform in a three-member team
- Implemented navigation, manipulation, and perception abilities in robot for elementary classes

**BIO.ME (Startup Prototype) – Entrepreneurship, CSE 490** Jan – Mar 2020

- Prototyped startup for instant dietary service to Irritable Bowel Syndrome (IBS) patients
- Solidified product features with market fit, and managed dependencies of cross-functional team – research, development, design, and marketing/sales

**Seattle Gentrification App – Data Analysis & Visualization, Informatics (INFO) 201** Jan - Mar 2019

- Developed an interactive app to show gentrification effects in Seattle comparing to other cities
- Implemented RStudio packages for data wrangling, interactive visualizations, and user interface

## MENTORSHIP, LEADERSHIP & SERVICE

**Web Developer, COVID-19 Literature Surveillance Team (LST),** Seattle, WA May – June 2020

**Secretary, Association for Computing Machinery (ACM),** UW Seattle, WA Sept 2019 – June 2020

**Peer Mentor, Big/Little Program, ACM, UW** Seattle, WA Apr – June 2020

**Invited Lecturer, CSE 390T, Transfer Seminar, Paul G. Allen School,** Seattle, WA May 2020

**Program Lead, Mentor Power for Success Program (MPFS),**

UW Office of Minority Affairs & Diversity (OMA&D), Seattle, WA Sept – Dec 2019

**Peer Mentor, MPFS, UW OMA&D,** Seattle, WA Sept – Dec 2018

**Event Organizer, STEM Paths Innovation Network (SPIN) Girls,** Seattle, WA June – July 2018

## HONORS & AWARDS

Mary Gates Research Scholar, Ronald E. McNair Scholar, Denice Dee Denton Endowment in CSE, OMA&D Merit Scholar, UW CSE Grace Hopper & Tapia Conference Funding, OMA&D Exemplary Mentor, Gerberding Merit Award