MITALI PALEKAR

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EDUCATION

University of Washington *(Seattle, WA)*   Graduation Date: June 2019

B.S. Computer Science, Interdisciplinary Honors Program *(Dean's List), GPA: 3.7*

Relevant Coursework: Algorithms (AU17), Machine Learning (AU17), Data Structures & Parallelism, Probability & Statistics, Systems Programming, Programming Languages, Software Design, Neural Computing, Data Science Seminar

EXPERIENCE

Uber, Software Engineering Intern *(San Francisco, CA)*   June 2017 – Sept 2017

- Architected, developed and deployed an in-production rack distribution analysis within the cluster lifecycle management internal tool to prevent micro services from violating their service-level agreements by providing for multiple points of failure, increasing the reliability of Uber's backend services *(Technologies: Golang, Puppet, Clusto, Mesos, Aurora, Uber's Internal Tooling)*

NASA, Software Development Intern *(Mountain View, CA)*   June 2016 – Sept 2016

- Designed and developed a path-finding tool and in-procedure execution guide using the Microsoft HoloLens for safety procedures and experiment conduction on the International Space Station, possibly replacing the current manual procedure execution process *(Technologies: Unity, C#, HoloToolkit API, Node.js, Git)*

UW CSE Security and Privacy Lab, Research Assistant *(Seattle, WA)*   October 2016 – Present

- Developing and maintaining Confidante, an encrypted email client uses Keybase for automatic key management
- Implementing new features such as making private key signing optional, introducing encrypted drafts and re-implementing the user interface to allow for interactions with email threads when composing an email *(Technologies: JavaScript, React, Flux, Node.js)*

TECHNICAL QUALIFICATIONS

Proficient: Java, JavaScript, C, C++
Intermediate: Go, Racket, ML, Git Version Control, React, Flux
Prior Experience: Ruby, Unity, Android Development, SQL, HTML, CSS, Bootstrap

PROJECTS

Java/Swing Application - Chess Bot   2017

- Implemented the back-end of this application through different searching algorithms such as Minimax, Alpha-Beta Pruning and Jamboree along with heuristics to improve move generation time such as iterative deepening and killer move ordering *(Language: Java)*

Web App – InstaCap!, *DubHacks 2016*   2016

- Created a caption generating web app to generate suitable captions, quotes, emoticons and hashtags based on the image uploaded and mood desired using the Clarifai API, to make captioning social media images (Facebook, Instagram etc.) easier *(Technologies: HTML, CSS, Client-Side JavaScript, Node.JS, Clarifai API)*

ACTIVITES & LEADERSHIP

UW Society of Women Engineers, President *(Seattle, WA)*   March 2017 – Present

- Leading a 500+ member organization and a 20-member officer team to organize professional development, community outreach and leadership development workshops through individual events, collaborations with other engineering groups and local organizations as well as connections with national SWE groups

Other activities: Web Editor @ UW Daily, College of Engineering Peer Mentor, Emerging Leaders in Engineering (ELE) Participant, News & Special Sections Reporter @ UW Daily, UW Honors Peer Mentor

HONORS & AWARDS – Recipient of 12 Merit-based Scholarships

TUNE House Scholarship (awarded to 8 UW students annually), UW Honors Achievement Award (awarded to 1 Honors freshman annually), Microsoft Tuition Scholarship (2-time recipient), Microsoft Conference Scholarship, Priscilla & Melvin Endowment (2-time recipient), UW SWE Scholarships (4-time recipient), UW Purple & Gold Scholarship