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 (IP), Machine Learning (IP), Data Structures & Parallelism, Probability & Statistics, Systems Programming, Programming Languages, Software Design & Implementation, Data Science, Web Programming

EXPERIENCE

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

- Architected and implemented rack distribution analysis support which improves service reliability
- Allows rack aware distribution of service instances and prevents services from violating their service-level agreements
- *Technologies: Golang, Mesos, Aurora, Uber's Internal Tooling (service store, infrastructure store, indexing service)*

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

- Developing and maintaining Confidante, an encrypted email client using Keybase for automatic key management
- Implemented new features such as encrypted drafts, a new user interface allowing for interactions with email threads when composing emails and optional private key signing *(Technologies: JavaScript, React, Flux, Node.js)*

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

- Created an augmented reality path-finding and in-procedure execution simulation using Microsoft HoloLens
- *Technologies: Unity, C#, HoloToolkit API, Node.js, Git*

TECHNICAL QUALIFICATIONS

Languages (Proficient): Java, JavaScript, C, C++, Golang
Languages (Familiar): Python, ML, HTML, CSS, SQL
Libraries/Frameworks: React, Flux, Bootstrap, Glide
Tools: Git Version Control, Bash, Linux/UNIX, LaTeX

PROJECTS

Java Application – isSpam July 2017 – September 2017

- Implemented an spam email classification algorithm using the Naïve Bayes Classifier with Laplace Smoothing, achieving more than 95% classification accuracy *(Language: Java)*

Java Application – Chess Bot January 2017 – March 2017

- Developed a chess bot by implementing parallel variant of alpha-beta pruning for minimax search along with heuristics to improve move generation time such as iterative deepening and killer move ordering (*Language: Java)*

Web App – InstaCap!, *DubHacks 2016* October 2016

- Created web app to automatically generate suitable captions, quotes, emoticons and hashtags based on tone and uploaded image, making social media captioning easier *(Technologies: HTML/CSS, 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 events, collaborations with other engineering groups and local organizations as well as connections with national SWE groups

Other activities: UW CSE Student Ambassador, 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 11 Merit-based Scholarships

TUNE House Scholarship *(awarded to 8 UW students)*
UW Honors Achievement Award *(awarded to 1 Honors freshman)*
Priscilla & Melvin Endowment *(2-time recipient)*
UW SWE Scholarships *(3-time recipient)*
2nd Place @ Google Games Seattle
Microsoft Tuition Scholarship *(2-time recipient)*
Microsoft Conference Scholarship *(WE16 Conference)*
UW Purple & Gold Scholarship *(All 12 quarters)*