

MITALI PALEKAR

mitalipalekar.github.io • github.com/mitalipalekar • linkedin.com/in/mitalipalekar

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: Data Structures, Algorithms, Software Design & Implementation, Machine Learning, Natural Language Processing, Probability & Statistics, Databases, Linux/UNIX Tools, Programming Languages, Systems Programming

EXPERIENCE

Software Engineering Intern, Facebook (Seattle, WA)

Sept 2018 – Dec 2018

- Designed and implemented an internal tool to pause & unpause Facebook ads at scale
- Doubled the capacity of ads that could be successfully paused & unpaused in a single job and improved performance by over 700% (*Technologies: Hack, XHP, JavaScript, Hive, Presto, Facebook Distributed Job Scheduler*)

Software Engineering Intern, LinkedIn (Sunnyvale, CA)

June 2017 – Sept 2017

- Architected and implemented a data-driven approach to access control for LinkedIn Learning, improving access control accuracy, observability, and scalability (*Technologies: Java, Parseq, Pegasus Data Schemas, Rest.Li, XACML access control*)

Software Engineering Intern, Stripe (Seattle, WA)

March 2017 – June 2017

- Developed pipeline to automate creation of elastic search indices for large merchants (*Technologies: Ruby, Elasticsearch*)
- Pipeline enabled searches for large merchants that would previously time out due to un-optimized data stores

Software Engineering Intern (Site Reliability), Uber (San Francisco, CA)

June 2017 – Sept 2017

- Architected and implemented rack distribution analysis support to allow for rack aware distribution of service instances
- *Technologies: Golang, Uber Internal Tooling (service store, infrastructure store, indexing service), React, Redux*

Undergraduate Research Assistant, UW CSE Security and Privacy Lab (Seattle, WA)

Sept 2016 – Present

- Researching ways to reduce errors in end-user programming for smart home devices (*Technologies: Groovy*)
- Previously, contributed to Confidante, an encrypted email client using Keybase for automatic key management (*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 the Microsoft HoloLens
- *Technologies: Unity, C#, HoloToolkit API, Node.js*

TECHNICAL QUALIFICATIONS

Languages (Proficient): Java, Python, SQL

Languages (Familiar): JavaScript, Ruby, C, C++, Golang

Libraries/Frameworks: Gradle, Scikit-learn, Tensorflow, NumPy, Matplotlib, React, Express, Node

Tools: Git Version Control, Bash, Linux/UNIX, LaTeX

PROJECT(S)

Web App – InstaCap!, DubHacks 2016

October 2016

- Created a 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*)

ACTIVITIES & LEADERSHIP

UW Society of Women Engineers, Senior Adviser / President etc. (Seattle, WA)

Sept 2015 – Present

- Leading the **largest student organization** at UW consisting of 600+ members and a 20+ officer team to promote diversity in STEM and inspire young women to achieve their full potential

Other activities: UW CSE Peer Adviser, Staff Writer + Web Editor @ UW Daily, College of Engineering Peer Mentor, Emerging Leaders in Engineering (ELE) Participant, UW Honors Peer Mentor

HONORS & AWARDS – Recipient of 10+ Merit-based Scholarships

TUNE House Scholarship (*2-time recipient*)

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*)

Stephanie Subak Memorial Leadership Scholarship