SINDHU RANGA

 [sindhu.ranga@gmail.com](about:blank)  (571)-258-7059 Arlington, VA Image result for linkedin picture black and white [www.linkedin.com/in/sindhu-ranga](about:blank) Image result for github logo sranga12

EDUCATION

**University of Virginia/McIntire School of Commerce, Charlottesville, VA August 2017 – May 2021**

Double Major: Bachelor’s in Computer Science and Commerce (Concentration: Finance) CS GPA: 3.93 GPA: 3.571

EXPERIENCE

**Software Development Engineer, Amazon Web Services, Supply Chain Topology August 2021 – Present**

* Building internal tool to manage AWS’s server supply chain using AWS tools, including Lambda, DynamoDB, & CloudWatch
* Owner of a simulation product that supply chain planners use to understand how changes to configurations affects rack demand fulfillment, helping to prevent ICEs in AWS’s core services, like EC2
* Redesigned and rebuilt the dataflow of the simulation system, preventing timeouts, which caused ~40% of failures in the system, and making onboarding new capabilities to the system much easier
* Automated code deployment process: automated pipeline, added alarms to monitor latency and error metrics and automated rollback and ticketing on errors
* Designed and implemented a feature end to end to maintain as source of truth and vend configuration data to consumers
* Mentor to interns and new hires on the team and drive best practices on the team by writing documentation

**Software Engineering Intern, Microsoft, MyAnalytics/Workplace Intelligence May 2020 – July 2020**

* Developed “Emails that need your attention” Insight existing in Outlook product in backend to expose data to more products
* Wrote backend algorithm to identify important emails using email and people importance models; feature set up to relay new training data to models for improvement
* Learned how to write code at scale; wrote a functional API for Microsoft customer facing products; will be available for Weekly Briefing, Dashboard, Teams, etc. products to utilize, therefore increasing customer exposure & increasing training data

**Software Engineering Intern, Capital One, Card and Small Business Tech June 2019 – August 2019**

* Developed internal tool to automatically onboard collection data for Card Rewards Department’s existing platform
* Reduced 20 hrs of work/week to ~1 hr/week; made non-technical friendly and more dynamic for further development
* Refactored existing code to store and call data from database to enable changes without re-deployment or developer’s assistance, reducing time to market

PROJECTS

[**MusiQueue**](https://github.com/sranga12/node_react)**, React and Node.js Scalable App May 2020 – December 2021**

* A live updating queue app for groups of people listening to music utilizing Spotify and SoundCloud music libraries/APIs
* Prototyped app design using React FLUX framework

[**SafeWalk**](https://github.com/sranga12/Flock)**, App Developer/Designer June 2018 – August 2018**

* App for student use at UVA; matches students walking at night with others to prevent muggings and sexual assault
* Began as hackathon idea, completed implementation as part of the UVA Health System Development team
* Gained experience marketing, designing, implementing, and testing an app

COMMUNITY INVOLVEMENT

[**HooHacks**](https://www.hoohacks.io/)**, UVA-based Hackathon – Co-President October 2018 – May 2021**

* UVA student-run hackathon planning club; in-charge of overall run of hackathon and related events, management of the team
* Founder of [Ideathon](https://ideathon.hoohacks.io/), entrepreneurship event & pitch competition

SKILL

**Technical Skills**

Certifications: Certified Secure Software Engineer (CSSE)

Languages: C#, ASP.NET, Java, JavaScript, JSON, CSS, HTML, SQL, jQuery, Ajax, C++, Python, BASIC, C, TypeScript

Applications/API: React, Mongo DB, Express, Django, Heroku, Travis, Node.js, MySQL, Google Maps, React, AWS Services (Lambda, ECS, Cloud Formation, Batch, Step Functions, DynamoDB, S3), Angular, Kubernetes, Pipelines

**Business Skills**

Analysis Skills: Valuation Skills, Monte-Carlo Analysis, Multiple Regression, Explanatory Time Series Models, Conjoint Analysis, Model Analysis, Contingency Analysis

People Skills: Team Management, Agile Approach, Designing apps for common user, Event Planning Skills