Sahil Parikh

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EDUCATION

The University of Texas at Austin, Austin, TX   Expected May 2020

Bachelor of Science in Computer Science, Minor in Business Administration, GPA: 3.7

Relevant Coursework: Data Structures and Algorithms, Discrete Math, Computer Architecture, Linear Algebra, Operating Systems, Cyber-physical Systems, Algorithms

EXPERIENCE

JP Morgan Chase & Co, Dallas, TX   Summer 2018
Software Engineering Intern
- Designed and implemented a bot for mortgage transaction reconciliations on large scale internal web applications using Selenium and WinAutomation for automation, Python, Visual Basic for scripting and SQL for querying, architected a database for automation application using Erwin for data modeling, bot saves the company $600K over 5 years
- Designed and implemented a system that uses predictive analysis algorithms to determine mortgage customers' needs, using Python for analysis and ReactJS for front-end dashboard
- Led an Agile team of interns as a scrum master, leading story/epic building and sizing meetings and being point of contact for business team members

vAuto (part of Cox Automotive), Austin, TX   Summer 2017
Software Engineering Intern
- Designed and implemented a new modal UI system for vehicle pricing and inventory changes on an enterprise web application using AngularJS/TypeScript, HTML, CSS for front end and C# for backend handlers
- Designed and implemented a chatbot that appraises vehicles through natural language processing using Python, Lambda functions, and Amazon Lex
- Created a launch configuration handler to roll out new front-end features on a per user basis using C#

SKILLS

Languages: Java, Python, JavaScript (AngularJS, TypeScript, ReactJS), SQL, C/C++, Visual Basic, Swift
Mobile App Development: Swift, Xcode and basic Java-based Android programming
Web Development: JavaScript, AngularJS, TypeScript, ReactJS, HTML, CSS, SASS
Frameworks: Agile, AWS (Linux EC2, Lex, Lambda, Cloudwatch), Visual Studio, Github, Subversion, Docker, Jira

PROJECTS

- Bet! – iOS app, allows users to create and send bets to other users using a backend server, Facebook user authentication, content sorting algorithms (modified QuickSort), and data caching *(2017)*
- Rocket League Simulation- self-driving remote control car with C++ OpenCV to use the car to tap a ball into a predetermined goal using edge detection algorithms and decision mapping (2018)
- Mirabeau Encrypter- a simple sentence encryption program based on a historical cypher, written in Java *(2017)*
- InventoryBot- chatbot for Slack written in Python using Amazon Lex, written for my charity organization officer Slack chat, where users can ask the bot where certain important items (decorations, money box, cups/plates) are being stored (2018)
- Dining for the Pack- a Python application that scans the daily UT dining hall menu and emails users when their preferred items are on the menu (2017)

LEADERSHIP, ACTIVITIES, AND AWARDS

- **2nd place winner at JP Morgan Code for Good Hackathon**- designed a volunteer portal for a local non-profit to help onboard and engage volunteers using AngularJS for front-end and MongoDB for back-end (October 2017)
- **Vice President of UT Seva Charities** – In charge of membership structure, publicity strategies, engagement, and volunteer organization, and big picture membership and communication perspectives for the largest South Asian charity at the University of Texas (2018-present)