Abhinav Sriram

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EDUCATION

BROWN UNIVERSITY
A.B. in Computer Science | GPA: 4.0
A.B. in Behavioral Decision Sciences | GPA: 4.0
Relevant Coursework
• Computer Science - Object-Oriented Programming, Algorithms and Data Structures, Computer Systems, Software Engineering
• Math - Multivariate Calculus, Linear Algebra, Statistical Inference, Discrete Structures and Probability

SKILLS

• Programming Languages - Java, JavaScript, Python, HTML/CSS, C, x86 Assembly
• Technologies - React, React Native, Git, Spark, Selenium, SQL, NoSQL, Docker
• Design - LaTeX, Figma, Framer, Procreate, Photoshop, Illustrator

EXPERIENCE

MICROSOFT | Product Manager Intern
Summer 2021 | New York, NY (Redmond, WA; Herzliya, Israel)
- Drove clarity on ambiguous project exploring use of Azure Firewall (built for IaaS) to protect egress traffic from PaaS applications.
- Developed mock-ups and feature spec docs outlining opportunities that could result in $10 to $50 million increase in monthly revenue.
- Identified future threat to Azure Firewall that would result in loss of 30-40% of existing market share and developed mitigation plans.
- Worked very closely with Azure Top 50 Customers, Microsoft CSAs, PMs, Engineers and Designers throughout internship.

BROWN UNIVERSITY | Teaching Assistant
Fall 2020 | Providence, RI
- Conduct one-on-one office hours on a weekly basis to assist students with labs and projects in HTML, CSS, JavaScript and Python.
- Grade labs and projects in a class with a record breaking 300+ enrolled students (highest enrollment in a Fall 2020 class at Brown).

AMGINE INK | Product Manager Intern
Summer 2020 | Los Angeles, CA
- Led cross-functional teams of software engineering, UI/UX, game design, and marketing to redesign MVP from scratch.
- Wrote proprietary recommendations and scoring algorithm in JavaScript (the central algorithm driving game logic).
- Worked closely with UI/UX team and CEO to prototype, iterate and develop hi-fidelity wire-frames of redesigned MVP.
- Focused on improving user engagement using gamification while transitioning to subscription model (from free model).

FUJI ELECTRIC | Product Manager Intern
Summer 2020 | Chennai, India (Tokyo, Japan)
- Performed market sizing & visualized key data points from 1 million+ excel entries for Indian consumer electronics product.
- Researched and identified KPI metrics and performed competitive/SWOT analysis of market leaders & then worked closely with marketing, engineering, and sales teams to develop competing product based on SWOT analysis.
- Identified poor customer service as key weakness of competitors & worked with outsourced software firm to deploy superior automated customer service solution projected to reduce costs by up to 80%.

ALMA MATTERS | Software Engineer Intern
Summer 2019 | Santa Clara, CA
- Wrote proprietary college matching algorithm in JavaScript that makes REST API calls to database.
- Authored articles on college application process, recorded podcasts, answered questions on online forum and helped maintain website.
- Worked closely with CEO to grow user base by developing and deploying targeted advertisements for Asia and the Middle East.

PROJECTS

INTERN HELPER | Visit Website | GitHub (On Request)
Spring 2021 | Java, Spark, JavaScript, React, Python, Selenium, SQL, Firebase, NoSQL
- Built a web app that helps students find internships by comparing their resume to job descriptions using a proprietary algorithm.
- The backend was coded in Java with a SQL (sqlite3) database, and Spark was used to allow communication with the frontend.
- The frontend was coded in React with Firebase used for user authentication and NoSQL storage of user data.
- The proprietary algorithm was a combination of a custom build of PageRank and a custom text similarity algorithm.

MAPS | Visit Website | GitHub (On Request)
Spring 2021 | Java, Spark, JavaScript, React, SQL
- Built a clone of Google Maps using k-d trees and graphs as the core data structures & Dijkstra and A* as the primary algorithms.
- The backend was coded in Java with a SQL (sqlite3) database, and Spark was used to allow communication with the frontend.
- The frontend was coded in React and used HTML Canvas to display the map that supports zooming and panning.

BROWN COURSE PLAN | Visit Website | GitHub (On Request)
Summer 2020 | JavaScript, React Native, Expo, Firebase, NoSQL, Python, Selenium
- Identified need for a more unified academic planning and scheduling tool, and co-founded Brown Course Plan.
- Co-wrote 15000+ lines of code to build React Native app with Firebase back-end (authentication and NoSQL database).