

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
- Business - Microeconomics, Investment Banking, Decision Making, Management of Organizations, Psychology of Business
- 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 - Figma, Framer, Procreate, Photoshop, Illustrator

EXPERIENCE

BROWN UNIVERSITY | RESEARCH MANAGER

Fall 2021 | Providence, RI

- Currently leading a team of 15-20 developers along with 2 other managers to build a Deep Learning powered visual prosthesis device at the Paradiso Lab with plans to go to market and currently undergoing active testing at Providence VA Medical Center.

MICROSOFT | PRODUCT MANAGER INTERN

Summer 2021 | New York, NY/Redmond, WA/Herzliya, Israel

- Drove project exploring use of Azure Firewall, originally built for IaaS environments, to now protect egress traffic from PaaS applications.
- Developed mock-ups and high-level feature spec docs outlining application agnostic opportunities that could result in \$10 to \$50 million increase in monthly revenue, and for POC, developed detailed technical spec docs outlining specifics of integration with Kubernetes.
- Identified future threat to Azure Firewall that would result in loss of 30-40% of existing customers and developed concrete mitigation plans by working closely with external consultants who work with medium and small customers (the primary customer segment affected).
- Conducted 100+ hours of customer interviews with Azure Top 50 Customers (Walmart, Kroger, Danone, P&G etc.) and worked very closely with Microsoft CSAs, PMs, Engineers and Designers to make data driven and technically feasible recommendations.

AMGINE INK | PRODUCT ENGINEER INTERN

Summer 2020 | Los Angeles, CA

- Led engineering, UI/UX, game design, and marketing teams to redesign MVP from scratch as a cross platform React Native app.
- Wrote proprietary recommendations and scoring algorithm in JavaScript driving app and game logic with 80% recommendation accuracy.
- Worked closely with UI/UX team and CEO to prototype, iterate and develop hi-fidelity wire-frames of redesigned MVP using Figma.
- Focused on maintaining 90% user retention rate using gamification while transitioning to subscription model (from free model).

FUJI ELECTRIC | PRODUCT MANAGER INTERN

Summer 2020 | Chennai, India/Tokyo, Japan

- Performed market sizing & identified key insights from 1 million+ data points on competitors, for Indian consumer electronics product.
- Researched and identified KPI metrics for company's first D2C product and performed competitive/SWOT analysis of current market leaders & then worked closely with marketing, engineering, and sales teams to develop competing product based on this analysis.
- Identified poor customer service as key weakness of competitors & worked with outsourced software firm and external servicing company with best network of outlets 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 an Airtable database of colleges with various metrics collected using Selenium based Python script. Algorithm directly integrated with existing website.
- 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.

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).