

# Abhinav Sriram

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## EDUCATION

### BROWN UNIVERSITY

Sc.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, Portfolio Management (Investments), Decision Making, Management of Organizations
- Math - Multivariate Calculus, Linear Algebra, Statistical Inference, Discrete Structures and Probability

## SKILLS

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

## EXPERIENCE

### BROWN UNIVERSITY | RESEARCH MANAGER

Fall 2021 | Providence, RI

- Leading a team of 15-20 developers along with another manager to build a Deep Learning powered visual prosthesis device at the Paradiso Lab. Currently undergoing active testing at Providence VA Medical Center with plans to go to market.

### 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. Developed detailed technical spec docs outlining specifics of integration with Kubernetes (AKS) for POC.
- 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 SMB - the segment in which we would lose most customers.
- Conducted 100+ hours of customer interviews with Azure Top 50 Customers (Walmart, Kroger, Danone, P&G etc.) and worked very closely with CSAs, PMs, Engineers and Designers to make data driven and technically feasible recommendations.

### AMGINE INK | PRODUCT ENGINEER INTERN

Summer 2020 | Los Angeles, CA

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

### 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 nationwide network 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 a Selenium based Python script. The algorithm was directly integrated into existing product.
- 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).