JAY DOSHI

Los Angeles, CA • jaydoshi@usc.edu • jaydoshi.github.io • linkedin.com/in/jaydoshi1 • (909) 680-1343

EDUCATION

University of Southern California, Viterbi School of Engineering, Marshall School of Business – Los Angeles, CA   **May 2020**
Bachelor of Science in Computer Science and Business Administration

- Relevant coursework: data structures and algorithms, artificial intelligence, software engineering, full stack web development, business operations, marketing, finance, entrepreneurship, strategic and product management
- Experience in venture capital and startups from instruction through the Lloyd Greif Center for Entrepreneurial Studies

General Assembly – Los Angeles, CA   **December 2020**
Certificate of Product Management

- Professionally trained Product Manager, developed a full product roadmap, wrote objectives and key results (OKRs), created user stories, personas, and epics. Learned how to perform A/B testing and customer research through interviews.
- Examined opportunity assessments, market sizing, dynamics, and completed research for competitive analysis.
- Planned feature prioritization, composed a product backlog, identified key metrics for success, and formed product specification documentation for software engineering. Applicable for both technical and nontechnical PM roles.

SKILLS & ABILITIES

- **Programming Languages**: Java, C++, SQL, JavaScript, HTML, CSS. Strong in OOP skills, and relational database systems.
- **Technologies**: React.js, Spring Boot, RESTful APIs, Amazon Web Services (AWS), Microsoft Azure.
- **Software**: Microsoft Office Suite, Git version control, Asana, Notion, Jira, Trello, Sketch, Figma.
- Trained for Agile, Scrum, Lean, and Waterfall product and software development lifecycles. Strong documentation skills.

PROJECTS

Music Master, iOS music search engine – *Swift, Java, AJAX, SQL*   **Fall 2019**
- Designed assets in Sketch and wireframes in Figma, completed front-end programmatically in Swift. Programmed the backend with Java Servlets, MySQL database, and Swift Sockets. Included a live feed, music player, login/register page, and a profile tab.
- Utilized the iTunes API for music, and Postman for JSON testing. Pitched and produced a product roadmap for the app.

MOBA Artificial Intelligence Team Selector – *Java, SQL*   **Summer 2019**
- Implemented AI, minimax and alpha-beta pruning, to provide users the most optimal team of video game characters based on synergy, player skill, enemy skill, and enemy team composition. Applicable for games like League of Legends, Dota 2, and Apex Legends.

Self-Driving Rover Simulator – *Java, SQL*   **Fall 2020**
- Programmed a simulation of a rover making driving decisions under uncertainty with the Markov decision process.

EXPERIENCE

Inline Digital – Los Angeles, CA   **January 2020 – May 2020**
Software Engineering Intern
- Programmed with Java, SQL, React, HTML, and CSS to build webpages for the forthcoming ecommerce web application, including the order and transaction pages to allow customers to have a seamless purchasing process. Experienced in an agile startup.
- Cross-functionally worked with product management for improving UI/UX design, Figma wireframes, and the product backlog.

USC Viterbi School of Engineering – Los Angeles, CA   **July 2019 – January 2020**
VARC Computer Science Assistant
- Advised and guided USC undergrad students on data structures and algorithm analysis in Java and C++ for labs and assignments.
- Taught concepts of artificial intelligence in digestible ways. Debugged 1 on 1 with students. CSCI 103, CSCI 104, CSCI 360

Sigma Coding – Los Angeles, CA   **September 2017 – January 2020**
Java Instructor
- Developed over 25 new projects and lessons to teach local high school students how to program. Leader for CS summer camps.

USC Undergraduate Student Government – Los Angeles, CA   **August 2018 – May 2020**
Director of External Outreach
- Negotiated contracts for speaker events and communicated with talent agencies to find new talents to bring to USC.
- Planned, organized, and directed events for Hasan Minhaj, Kobe Bryant, Samantha Power, Rainn Wilson, and Riz Ahmed.

USC Career Center – Los Angeles, CA   **January 2017 – January 2018**
Student Associate
- Managed interviewers, provided admin support, approved job listings, communicated with employers, and assisted with career fairs.