JUSTIN LAM

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Technical Skills

Java

CSS

HTML

JavaScript

React

TypeScript

Tailwind CSS

Python

MySQL

Firebase

C

C++

C#

Relevant Courses

Johns Hopkins Courses

Cloud Computing

Object-Oriented Analysis and Design

Large-Scale Database Systems

Front-End Web App Development

Web Application Development with Java

Principles of Database Systems

Data Structures

Foundations of Algorithms

Principles of Enterprise Web Development

Foundations of Computer Architecture

Computer organization

Purdue Courses

Software Testing

Software Engineering I

Software Engineering II

Web Information Search & Management

Operating System

Systems Programming

Coursera Courses

Full-Stack Web Development with React Specialization

Programming Foundations with JavaScript, HTML and CSS by Duke University

Python Courses by University of Michigan

Education

Johns Hopkins University - Baltimore, Maryland   GPA: 4.0/4.0
M.S. Computer Science: May 2024

Purdue University - West Lafayette, Indiana
B.S. Computer Science: Dec. 2019

Employment

MyMicroJourney: *Software Engineer*   Feb. 2025 to Current
- Leading a team of four engineers to build a culture-focused video storytelling platform, collaborating closely with the design team to translate UI/UX into functional features, while evaluating the platform's tech stack for scalability and long-term fit.
- Contributing to full-stack development and feature planning, while supporting hiring efforts that led to the successful onboarding of 100% of the current engineering team, and helped accelerate MVP development.

Johns Hopkins University: *Teaching Assistant - Principles of Database Systems*   Jan. 2022 to Current
- Graded assignments and projects, while providing support and clarification for any student inquiries.
- Created detailed guidelines, that improved efficiency and consistency for both students and the professor.

Esurgi: *Software Engineer Intern*   May 2024 to Nov. 2024
- Contributed to the development of the Biostabilzer web application with a focus on usability and functionality, improving accesibility for physical therapy workflows.
- Assisted with front-end development and maintained documentation efforts for the Biostabilizer iOS application to support continuity across platforms.

Cadent: *Frontend Engineer Intern*   June 2023 to Aug. 2023
- Independently developed a user-friendly configuration interface, collaborating closely with cross-functional teams including designers and backend engineers.
- Assisted in front-end development, while working with the latest front-end technologies, trends, and specific software to ensure seamless user experiences and optimal performance.

Projects

MyMicroJourney Web Application
- Developing a web application to showcase employee video stories that highlight company culture and provide candidates with authentic insights into the workplace, aiming to increase offer acceptance rates and applicant engagement for small to mid-sized businesses though story-driven hiring.
- Contributing to the design and development of responsive frontend components using React, TypeScript, and Tailwind CSS, while also supporting backend architecture planning to ensure smooth integration and scalability.

Biostabilizer Web Application
- Developed a web application for physical therapists to efficiently manage schedules, patient information, and individualized exercise routines and charts.
- Oversaw the design and development of various web application components using React and Firebase, including sign-in, home, and dashboard pages, ensuring a user-friendly interface for physical therapists.

Unified Navigation Configuration
- Developed a centralized, no-code configuration UI that enables teams to customize navigation to their specific needs and streamline updates across environments, significantly boosting operational efficiency.
- Independently built the project using React, HTML, CSS, Font Awesome, and Drag & Drop API with a focus on quality assurance and robust testing using React Testing Library.

iQuest
- Led the design and development of a web application featuring various tutorials and games to teach elementary school children mathematics and computer science.
- Developed the mathematics games using C# and the Unity Engine.

PurdueHub
- Developed a web application for residents and staff members in Purdue dormitories to communicate with one another.
- Led the design and implementation of the web application using React, Evergreen, and Firebase.

Leadership

Mission San Jose Swim Team: *Junior Varsity Coach*   Feb. 2022 to May 2023
- Developed training programs for the Junior Varsity team to enhance their skills and performance.