JUSTIN LAM

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Technical Skills

Java
CSS
HTML
Javascript
React
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
M.S. Computer Science: May 2024

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

Employment

Johns Hopkins University   Jan. 2022 to Current
Teaching Assistant - Principles of Database Systems
- Graded assignments and projects while offering guidance for any student inquiries.
- Created comprehensive guidelines, resulting in enhanced grading efficiency for students and the professor.

Esurgi   May 2024 to Nov. 2024
Software Engineer Intern
- Developed the Biostabilizer web application in collaboration with other interns.
- Participated in weekly meetings to review project progress, communicate with team members about ongoing developments, and brainstorm potential features.
- Contributed to maintaining documentation and front-end development for the Biostabilizer iOS application.

Cadent   June 2023 to Aug. 2023
Frontend Engineer Intern
- Independently developed a user-friendly configuration interface, collaborating closely with cross-functional teams including designers and backend engineers.
- Engaged in daily standup meetings to discuss project progress and aligned priorities to ensure timely and effective development.
- 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

Biostabilizer Web Application
- Developing 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 configuration UI that offers various navigation configuration options, enabling teams to shape the navigation to their specific requirements.
- 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.
- Centralized configuration UI as a no-code solution boosts operational efficiency by simplifying the process of updating the changes across different environments.

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.

Visioneer
- Developed an application that allows users to input geographical datasets (e.g., population, demographics, natural disasters) and interact with visual representations of the data on a global map.
- Supervised the quality assurance, user navigation using C#, and finding various datasets.

Leadership

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

Hello World   Sept. 2017 to Mar. 2018
Finance Team & Mentor
- Collaborated with the team to raise over $30,000 at Purdue University's annual freshman-only hackathon, resulting in a 35% increase in hacker capacity.
- Mentored and advised hackers in Java during the hackathon.