Joshua Peng

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Skills

Programming Languages

Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript, Apex, Go

Web Frameworks

React, Node.js (Express), Django

Developer Tools

Unity, GitHub, GitLab, Jira, Bitbucket, Docker, Figma

Database

PostgreSQL, MongoDB (NoSQL)

Education

Simon Fraser University

BSc Computer Science

Intended Graduation: Spring 2023

Work Experience

Traction on Demand (Salesforce) | Software Developer Intern

May 2021 - Dec 2021 (8-month term)

• Resolved business infrastructure issues of 4 different client companies by building custom Salesforce solutions
• Developed user-friendly SFDC Lightning components by utilizing the Lightning Web Component (LWC) front-end framework and writing robust Apex back-end controllers/triggers for handling database queries
• Completed 30+ Jira tickets/bugfixes that were all deployed to production and used by clients on a daily basis

AutoMetrics Manufacturing Technologies | Full-Stack Developer

Sept 2020 - Dec 2020 (4-month term)

• Created a web application in React and Django that automated inspection of industrial welding operations and improved the stakeholder's manufacturing productivity by 10 - 25%
• Configured back-end API endpoints in Python that called machine learning algorithms to detect welding abnormalities
• Connected WebSockets to seamlessly stream live videos and electrical data from cameras/sensors to the application

Projects

EtherSend | React JavaScript CSS Hardhat Solidity

May 2022

• Built a cryptocurrency transfer application where users can send Ethereum from one wallet address to another wallet address over a mock blockchain network
• Studied Web 3.0 concepts to program robust smart contracts (back-end functions) using Solidity and Hardhat
• Connected a clear and responsive front-end interface using React to encourage positive user experiences

Dungeon Dasher | Java Maven

Feb 2020 - May 2020

• Delegated tasks as the project lead and co-developed an original single-player adventure game for a class project
• Applied industry-standard Object-Oriented Programming principles and Unit/Integration testing automation in Java
• Ranked #1 as the best-developed game in the class to gain an additional 5% bonus to our final grade

Volunteering

SFU Surge | Director of Technology

Sept 2020 - April 2022

• Completed developer tasks for SFU Surge, the largest technology club at Simon Fraser University with 100+ members
• Developed and maintained the club's entire website (sfusurge.com) which is visited by club members and partners
• Worked cohesively within an event organization team to create a website using React and TypeScript for StormHacks (stormhacks.com), SFU Surge's annual hackathon with an attendance of 300+ participants from across the world