Joshua Peng

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Education

Simon Fraser University   **Graduated: April 2023**
Bachelor of Science in Computer Science

Technical Skills

Languages: Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript, Apex, Go
Developer Tools: Unity, GitHub, GitLab, Jira, Bitbucket, Docker, AWS (S3), Android Studio, Figma
Frameworks: React, React Native, Node.js (Express), Django
Databases: PostgreSQL, MySQL, MongoDB (NoSQL)

Work Experience

Traction on Demand (Salesforce)   **May 2021 – December 2021**
Software Developer Intern   *(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 40+ tickets, delivered requirements on time, and provided consistent updates to clients through Jira

AutoMetrics Manufacturing Technologies   **September 2020 – December 2020**
Full-Stack Developer   *(4-month term)*
- Created a web application in React that remotely monitors industrial welding operations in real-time resulting in 10-20% production efficiency and quality increase for customers
- Configured back-end API endpoints in Django (Python) that performed AI-powered root cause analysis to accelerate troubleshooting welding abnormalities
- Connected WebSockets to seamlessly stream live videos and electrical data from cameras/sensors to the application

Projects

Capsule Closet | *Java, Android Studio*   **November 2022 – December 2022**
- Developed a mobile outfit-tracker and closet app aimed to reduce the overconsumption of clothes and textile waste
- Applied industry-standard object-oriented programming principles, database configurations, threads, and third-party weather API implementations in Java

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 connected a responsive front-end interface using React to encourage positive user experiences

Leadership

SFU Surge   **September 2020 – April 2022**
Director of Technology
- 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

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Machine Learning
- Distributed Systems
- Artificial Intelligence
- Database Management
- Operating Systems