

# 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, AWS (S3)

### Database

PostgreSQL, MongoDB (NoSQL)

## Education

Simon Fraser University

BSc Computer Science

Intended Graduation: April 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

### Capsule Closet | Android Studio Java

Nov 2022 - Dec 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

## 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](https://sfusurge.com)) using React and JavaScript, a website 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](https://stormhacks.com)), SFU Surge's annual hackathon with an attendance of 300+ participants from across the world