

# Joshua Peng

 [joshua\\_peng@sfu.ca](mailto:joshua_peng@sfu.ca)  778-960-3310  [joshuapeng1999](https://www.linkedin.com/in/joshuapeng1999)  [joshpeng1999.github.io](https://github.com/joshpeng1999)

## Skills

### Programming Languages

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

### Web Frameworks

React, React Native, Django

### Developer Tools

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

### Database

PostgreSQL, MySQL, SOQL

## 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 data and SOQL queries
- Completed 30+ 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 Bootstrap that automated inspection of industrial welding operations and improved the stakeholder's manufacturing productivity by 10 - 25%
- Configured back-end API endpoints in Django 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 website ([sfusurge.com](https://sfusurge.com)) which is visited by club members and club partners
- Worked cohesively with a team of 4 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