

JAMES ZHOU

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OBJECTIVE

Ambitious Computer Engineering graduate seeking full-time software development job opportunities



EDUCATION

B.A.Sc. Computer Engineering | University of British Columbia

SEPT 2013 – MAY 2019

UBC Dean's Honour List, Engineering Co-op Program, UBC Biomedical Engineering Student Team



EXPERIENCE

Software Developer Co-op | Statistics Canada

JAN 2018 – AUG 2018

- Utilized C#, JavaScript and ASP.NET Core Framework to create full-stack web applications, which are used as internal tools by numerous teams within department.
- Applied software design patterns such as MVC and Dependency Injection to create maintainable code.
- Created data visualization UI components for front-end applications using JavaScript and D3.js library to highlight data flow operations to clients.
- Demonstrated effective software testing skills through writing unit tests for testing controller logic and for following test-driven development process.

Data Science Co-op | BC Cancer Agency – Genome Sciences Centre

MAY 2017 – DEC 2017

- Utilized Linux shell scripting and Hadoop Distributed File System to split and reassemble large files across the internal computer cluster network.
- Developed strong relational database skills and ACID principles understanding through writing efficient SQL queries to store new datasets and assemble client-requested genomic data across multiple tables in the PostgreSQL database.
- Demonstrated effective Python data science skills using Pandas and NumPy libraries to write scripts for bioinformatics analysis and data formatting.



SKILLS

- Languages:** JavaScript, Python, C, C++, C#, Java, SQL
- Areas:** Full Stack Web Development, Mobile Application Development, Machine Learning, Embedded Systems Design, Database Management
- Frameworks:** ReactJS, Angular, NodeJS, ASP.NET, Flask, Hadoop, Android, Anaconda



ACTIVITIES

- Won *Top UBC Team* and the *Innovation Award* at **ThinkTECH 2018** competition, sponsored by *Deloitte Canada*, for creating the best IoT device prototype amongst all competing teams.
- Hackathon Enthusiast. Attended numerous programming events to learn new skills and solve problems. Won *1st place* and *Best Use of AWS Award* at **uOttHack 2018 MLH Hackathon**.
- Student developer for the *Music to Movement* project that was chosen as a *Finalist* at **RESNA 2016 Student Design Competition** at Washington, D.C.