Timothy Jou

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Portfolio: http://timothyjou.github.io/
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TECHNICAL SKILLS

Programming Languages	• Java (2 years) C++ (1 years) MATLAB (1year) SQL (6 months)
Web Languages	• HTML, CSS, JS (1 year)
Software	• Eclipse, Unity Engine, Perforce, Git, JIRA, Chrome Dev Tool

EDUCATION

Bachelor of Computer Science (B.CS) (Expected graduation, December 2018) Sep 2015 - Present
University of British Columbia, Vancouver, BC, Canada

Bachelor of Science (B.Sc) - Major in Microbiology and Immunology Sep 2011- Apr 2015
University of British Columbia, Vancouver, BC, Canada

RELEVANT WORK EXPERIENCES

Junior Developer – UBC Work Learn Sept 2017 - Present
School of Population and Public Health, UBC, Vancouver
- Implemented new front end features by using the **React JS framework**
- Constructed **SQL queries** for database maintenance

Developer Intern Sep 2016 – May 2017
SAP, Vancouver
- Maintained and enhanced Crystal Report and Business Intelligence platform using **JAVA** and **C++**
- Developed technical **teamwork** and **communication** skills in a corporate setting
- Contributed to the development of internal tool that helps to organize the code lines using **JAVA**

TECHNICAL PROJECTS

Microsoft Hololens Capstone Project at Centre for Digital Media (Academic) May 2017-Present
- Developed a basketball drill prototype using the **MS HoloTool kit** and the help of **Unity engine**.
- Implemented the physics for ball movement, logic of the game and animation, and interactive UI in **C#**
- Practiced **agile** methodology in a team of 6 as a developer

Single Particle Tracking GUI (Personal / published @ Nature Scientific Reports) Sep 2016 – Apr 2017
- A **MATLAB** GUI that is packed with useful functions related to single-particle tracking analysis
- Constructed the GUI by linking the mathematical scripts and implementing multiple error-checking to ensure user friendliness
- Link to publication: https://www.nature.com/articles/s41598-017-11563-9

Greedy Arduino Tank (Personal / 2017 NW Hackathon) Apr 2017
- An self-walking tank implemented with **Arduino** using ultrasonic sensors, DC motors, and Servos
- Constructed methods in **C** to allow the tank to always head in the direction where there are more space by following a **greedy algorithm** that simulates Best First Search

Coronary Blood Flow Calculator (Personal / 2016 NW Hackathon) Apr 2016
- Constructed and designed the website in **HTML, CSS, and JS** using the **BootStrap** framework

Hotel Reservation Web Application (Academic) May 2016 – Jul 2016
- A web application made with **php** and **SQL** that simulates a hotel booking system
- Designed SQL query to allow the user to interact with the database from the UI

OTHER

Research Assistant – UBC Work Learn Sep 2014 - Aug 2015
Gold Lab (Life Sciences Centre – UBC)

Junior Auxiliary Volunteer Jul 2009 – Sep 2017
Peace Arch Hospital Emergency Room, White Rock