



Timothy Jou

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PROFILE

- 1 year of JAVA object oriented programming experience
- 2 months of MATLAB programming experience
- Knowledge of UML
- Excellent interpersonal skills through volunteer position at Emergency Room
- GPA: 80.8% (cumulative) 85.6% (CPSC, MATH & STAT)

TECHNICAL SKILLS

Programming	Web	Software
<ul style="list-style-type: none">• Dr. Racket• Java• C++ *• Matlab*	<ul style="list-style-type: none">• HTML5*• CSS*	<ul style="list-style-type: none">• IntelliJ• Matlab IDE*

*currently learning

EDUCATION & AWARDS

Bachelor of Computer Science (B.CS) University of British Columbia, Vancouver, BC, Canada	Sep 2015 - Present
Bachelor of Science - Major in Microbiology and Immunology University of British Columbia, Vancouver, BC, Canada <ul style="list-style-type: none">• Dean's Honour List, 2011, 2012, 2013	Sep 2011- Apr 2015
Peace Arch Hospital Junior Auxiliary Bursary Recipient Peace Arch Hospital, White Rock, BC, Canada	June 2011
Skills Canada Regional Sumo Robot – 1st place Lower Fraser Valley Regional Skills Competition – Jr. Mini Sumo Robots	Mar 2008

ACADEMIC PROJECTS

Mind The Gap <ul style="list-style-type: none">• Implemented two methods to parse station location and station arrival times from the Tfl API• Implemented methods to display the stations, lines, branches and closest station based on user's location data on Google Maps	May 2015 – Sep 2015
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TECHINICAL EXTRACURRICULAR ACTIVITIES

Research Assistant Chou Lab (Department of Chemistry – UBC) <ul style="list-style-type: none">• Implemented MatLab script in use for microscopy image processing• Increased efficiency of data analysis with MatLab script	Dec 2015 - Present
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PERSONAL PROJECTS

Directed Studies Thesis: Stathmin Protein's Role in B Cell Signaling Sep 2015 – May 2015

- Determined the role of Stathmin protein in B cell stimulation
- Performed Immuno-fluorescence microscopy for B cell imaging

Connexin-43 Protein Knock Out Project May 2015 – Sep 2015

- Knocked out the connexin 43 protein in B cell using the CRISPR-CAS9 system
- Manuscript in preparation: Role of connexin43 in B cell spreading. K. Choi¹, T. Jou¹, M. Bolger-Munro¹, H. Lu¹, M.R. Gold¹, L. Matsuuchi¹; ¹Microbiology Immunology, University of British Columbia, Vancouver, BC

WORK EXPERIENCES

Research Volunteer / Directed Studies Student / Work learn Sep 2014 – Aug 2015

Gold Lab (Life Science Centre – UBC)

- Studied the role of Connexin 43 protein in B cell
- Studied the role of Stathmin protein in B cell microtubule reorientation

Lab Assistant May 2014 – May 2015

Canadian Centre for the Culturing of Microorganism (UBC – Work learn)

- Maintained fungal/algae culture stock to support teaching/academic labs
- Edited the fungal database on a monthly basis

Barista May 2013 – Sep 2014

Orange Julius, White Rock

- Served beverage and ask for feedback
- Trained new employees

VOLUNTEER EXPERIENCES

Emergency Room Ambassador Jan 2013 – Present

Peace Arch Hospital Emergency Room, White Rock

- Provided enhanced communications, information and support to patients/visitors
- Acted as liaison between staff and patients/visitors

Junior Liaison Officer / Dining Host Jul 2009 – Jun 2011

Peace Arch Hospital, White Rock

- Provided communication between the volunteer coordinator to other volunteers
- Provided adequate company for seniors at Peace Arch Hospital senior residence

Internal Director Sep 2011 – May 2014

UBC Taiwanese Association, Vancouver

- Organized events to promote the culture of Taiwan
- Facilitated the networking of members through events