Daniel Chen

1234 Main Street
Vancouver, BC A1B2C3
604-123-4567
dchen121@gmail.com

Technical Skills

Languages	Software	
Java	Git	GitHub
Python	IntelliJ	Django
C++	jUnit	
C		

Technical Volunteer Experience

UBC Visual Cognition Lab: Coding Team Member   *Jan 2015 – current*

- Contribute to a Java application designed to test human visual perception of correlation
- Implement, test, and demo experimental conditions requested by research assistants
- Test, deploy, and release new versions of the Java application containing new experimental conditions, features, and bug fixes following each sprint
- Instruct new members on how to set up the work environment and introduce them to the work flow and dynamic of the team

Academic Projects

Airline Reservation Application   *Jan 2016 – Apr 2016*

- Collaborated in a team of 4 to develop an application using Java Swing, JDBC, and MySQL simulating an airline reservation system
- Designed an SQL Database by defining integrity constraints, modeling entity-relationship diagrams, and utilizing database normalization
- Implemented and tested the ability for users to create an account, query the database for flights, and reserve flights
- Wrote a script in SQL to implement the schema and populate the database

Liquor Quicker: Web Application   *Sep 2015 – Dec 2015*

- Created an interactive web application using Django that plots liquor stores on a map in a team of 5 while utilizing the Agile Scrum development methodology
- Built a custom map displaying markers and info windows for pinpointing liquor store locations using the Google Maps API
- Implemented and tested a system for users to rate and review each liquor store
- Collaborated in front-end development written using JavaScript to create an interactive user interface allowing users to modify the current level of filtering
- Debugged JavaScript methods using the browser console to ensure the filtering options were displaying the correct liquor stores

Restaurant Quiz: Android Application   *Sep 2014 – Dec 2014*
- Developed an Android application where users guess the location of multiple restaurants, filtered by cuisine or Canadian city, in a time-limited quiz
- Programmed back-end functionality in Java to implement a JSON parser that extracted restaurant information from Yelp and directions from Google Maps
- Tested and debugged the application using an Android Virtual Device to ensure the program experienced no issues with functionality during presentation

Technical Work Experience
UBC Visual Cognition Lab: Technical Manager   *Jun 2015 – current*
- Provide technical support as a first point of contact, ensuring all issues are resolved in a timely and professional manner
- Monitor and maintain daily performance of computer systems, networks, and data storage to ensure maximum uptime
- Proposed, purchased, and configured hardware upgrades valuing $8,000 to increase efficiency and expand productivity of the lab
- Presented workshops on how to use Git and GitHub proficiently to document projects, track issues, and contribute to the experimental Java application

Education
Bachelors of Computer Science: Year 3   *Sep 2015 – current*
  University of British Columbia

BSc majoring in Microbiology and Immunology   *Sep 2010 – Apr 2015*
  University of British Columbia

Other Projects
MICB421: Investigating the Role of YidC in Escherichia coli   *Jan 2015 – May 2015*
- Constructed a research proposal to investigate the effect of the deletion of the protein YidC in *E. coli* on cell morphology and growth with three other students
- Executed the experimental approach and solved technical and biological issues that emerged throughout the project
- Presented the results to a class of 36 students and published a journal article based on our findings in the UBC Journal of Experimental Microbiology and Immunology

Interests
- Technical: Learning new languages and technologies, Building applications
- Fitness and health: Weight training and running
- Sports: Volleyball, Football, and Badminton