SARINA CHEN

Year 3, Combined Major in Computer Science &
Microbiology and Immunology

CONTACT

Email
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TECHNICAL SKILLS

Languages
Java, Javascript/Typescript, C/
C++, C#, HTML/CSS, Python*

Technologies
Unix, MS-SQL, Node.js*,
Chai.js, Junit, JQuery*

** = Beginner or intermediate
proficiency*

EDUCATION

**BSc - 3rd Year Combined Major
in Computer Science &
Microbiology and Immunology**

University of British
Columbia, Vancouver BC
Sept. 2014 - Present

GPA **4.30**/4.33
Chancellor's Scholar Award,
Dean's Honour List

PROJECTS

Personal Website (sarina-chen.github.io)   April 2017
- Featuring highlights of skills and experiences

Skills & frameworks: HTML, CSS, JQuery

insightUBC **Web App**   Sept. - Dec. 2016
- App enables querying of the metadata from UBC involving courses offered and rooms on campus
- Created interface to allow users to query based on different factors and render results in tabular format
- Implemented room scheduling functionality using a greedy approach based on class size
- Implemented functionalities to support processing, storing and deleting of zip files, JSON and HTML parsing, and query interpreting

Skills & frameworks: Typescript, Node.js, Git, Chai.js, React, Webstorm

Book Indexer   Oct. 2016
- Program index words of a text file in alphabetically sorted order along with number of occurrences of the word and a list of the pages on which that word appears
- Implemented the data structure using both an array and a skip list

Skills & frameworks: C++

Mind the Gap **Android App**   Jun. - Aug. 2016
- App maps location of stops and tubelines on the London Underground as well as user location, and retrieves real time arrival information at those stops from Transport for London Open Data (Tfl)
- Implemented functionalities to support route searching, JSON parsing, and GPS mapping
- Corrected key bugs via JUnit testing and systematic analysis of code

Skills & frameworks: Java, JUnit Testing, IntelliJ, GenyMotion

WORK EXPERIENCE

Bioinformatics & Website Assistant, Kinexus Bioinformatics Corporation   May - Aug. 2017
- Assist in the development of algorithm used for determining key amino acid positions in kinase-drug interaction
- Wrote script for phosphorylation peptide sequences alignment
- Create new querying modules for company websites
- Update existing and create new databases and knowledge bases

Laboratory Research Assistant, UBC M. Murphy Lab   Sept. 2016 - May.2017
- Maintain overall productivity of the lab by contributing to ongoing lab duties such as preparation of stock media, crystallography plates, and solutions for DNA and protein work
- Configured database server software and modified HTML files for the Staphylococcus database

Tutor, Math Tutor Network   Jan. 2015 - Sept. 2016
- Tutored secondary school courses by clarifying daily lessons using clear and concise languages
- Provided personalized services and helped students find unique outlook best suited for their understanding

Beauty Advisor, The Face Shop   Jul. 2015 - Jan. 2016
- Maintained customer satisfaction by offering professional and personable service
- Initiated service consultations by asking open-ended questions to better understand customer's preferences and needs
- Provided honest and confident feedback to customers regarding products

COMMUNITY INVOLVEMENT

President/Founder, UBC RESULTS Canada AMS Club   Jan. 2016 - May, 2017
- Maintain the productivity of the club and liaise with the Student Administrative Commission of UBC
- Facilitate meetings in a supportive and inclusive manner to encourage contributions from executive team to achieve optimal creativity output

Science Peer Academic Coach, UBC Faculty of Science   Sept. 2015 - May, 2017
- Connect with students to help them determine their strengths, challenges and goals in academic career
- Involved in the logistic planning of a series of workshops designed to help students with academic difficulties

Volunteer Teacher, PCDO, Sammkey Village, Cambodia   Jun. 1st - 19th, 2015
- Prepared and taught daily lessons for Khmer students in the areas of English grammar and pronunciation
- Overcame challenges including language barriers and resource limitation via creativity and versatility

Others:
- NW hacks volunteer
- UBC CS Tri-mentoring
- S.U.C.C.E.S.S. Volunteer Coordination Team - VP Internal
- UBC Imagine Day Leader