

ALICE ZHANG

6220 Logan Lane, Vancouver BC, V6T2K9 Canada | +1 (604)-222-1948 | zalice823@gmail.com | Hope you have an amazing day :)

SUMMARY

- Interdisciplinary engineering student with skills and experience in software development
- Self-motivated and collaborative team player driven to make an impact and contribute to technological advancements

TECHNICAL SKILLS

- **Backend:** Java, Python, C#, R, C++, Objective-C
- **Frontend:** HTML, CSS, JavaScript, Vue.js, Objective-C
- **Database:** SQL, Postman, Splunk, Aerospike, Scuba
- **Other:** Git, Matlab, SolidWorks, Fiji, CellProfiler, \LaTeX , Microsoft Office, Docker, Jira, Confluence, Mercurial, iOS SDK

WORK EXPERIENCE

Meta- Software Engineer Intern

May-Aug 2022

- iOS development for Facebook mobile application
- Software maintenance for Facebook mobile application
- Fixed failing or at-risk permission checks for Facebook, WhatsApp, and Instagram

Charles Schwab- Software Engineer Intern

May-Aug 2021

- Developed an MVC .Net web application for use by development and support teams to debug database issues
- Implemented token parsing, healthcheck controllers, and cross-checking of data bins to automate error classification
- Won first place at Schwab 2021 Business Challenge Summit

Reliza- Software Engineer Intern

Jan-Apr 2021

- Created automated test suite for Reliza Hub software
- Worked with behavior driven testing frameworks such as Behave
- Ad-hoc QA automated and manual testing of Reliza software
- Developed front-end and UI of Reliza hub web application

Centre for Heart Lung Innovation- Data Analyst Intern

May-Aug 2020

- worked under Dr. Zachary Laksman to develop an assay to profile iPSCs(induced Pluripotent Stem Cells) and cardiomyocytes that had been subjected to different chemical perturbations
- produced pipeline allowing rapid and inexpensive profiling of iPSCs, and extraction of data sets providing important information about their morphology
- cultivated skills in data analysis, algorithm implementation, and data visualization

ENGINEERING DESIGN EXPERIENCE

UBC Supermileage- General Member

Sep 2018-present

Engineering design team comprised of 65 dedicated students working to design and build fuel-efficient vehicles for the Shell Eco-marathon Americas and the Society of Automotive Engineers (SAE) Supermileage Competitions

- researched and implemented methods of vacuum forming plastics into parts such as windshields and light covers
- member of a special 3D printing sub-team with a focus on printing poly-carbonates and repairing printers the university donated
- worked on the vehicle mechanics of prototype class vehicle, which ran on 2229 miles per gallon at an international design competition

EDUCATION

University of British Columbia

Sep 2018-Dec 2023

- Bachelor of Engineering

Prince of Wales High School

Sep 2012- Jun 2018

- Enriched mini school program with emphasis on outdoor education

AWARDS AND ACCOMPLISHMENTS

- BC Achievement Scholarship
- CBR-SBME Research Grant
- Gold at Junior Canadian Ultimate Championships
- 360 Mile Hike of the Pacific Crest Trail
- 2022 Ocean Bridge Conservation Grant

SPEAKING ENGAGEMENTS

- BMES 2020 Virtual Conference