
Kira Li

Biomedical Engineering Student

6- 18707 65 Ave. Surrey, BC V3S 9H2
(236) 982-3245

kirali15@student.ubc.ca
<https://www.linkedin.com/in/kira-l-589a051ab/>

TECHNICAL SKILLS

Computer

- Microsoft Office
- Java, C, Python, MATLAB, GitHub

Laboratory

- Micro-pipetting
- Titrations

Communication

- Lab reports, essays
- Public speaking, presentations

TECHNICAL PROJECTS

Fracture Fixation Project, UBC

September 2020 - November 2020

- Developed a solution for a case study of a distal femur fracture in an elderly woman
- Researched the clinical background, generated design needs, requirements and design concepts, and presented the intramedullary nail as the best solution in a written report and product brochure

Graph Implementation Project, UBC

October 2020 - December 2020

- In Java, implemented an adjacency matrix graph representation and various graph traversal algorithms (finding the common upstream and downstream vertices), and applied these methods to analyze a social network dataset
- Extended virtual world with new subtypes, developed tests with over 90% branch coverage

More projects: [Innovation Portfolio](#)

ENGINEERING STUDENT TEAMS

Bionics Engineering Analysis and Research (BEAR), UBC

Software Sub-team Member

September 2020- present

- Wrote a peak detector class to analyze EMG data from a functional bionic hand
- Working on real-time EMG data visualization and a moving average model
- Our team (<http://bearubc.com/>) is designing a bionic hand for the global bionics competition Cybathlon (<https://cybathlon.ethz.ch/en>)

WORK EXPERIENCE

UBC Centre for Accessibility, Vancouver, BC- Note-taker

February 2020- April 2020

- Took and sent notes to a student at UBC's Centre for Accessibility for a physics course

VOLUNTEER EXPERIENCE

UBC Engineering, Vancouver, BC- Student E-Mentor

February 2020- present

- Contacted prospective students by email, answered questions and provided resources about UBC engineering and my student experiences

Canadian Red Cross, Langley, BC- HELP Client Services Volunteer

July 2020- August 2020

- Supported in-person and telephone inquiries from the public to provide loans and accept returns of health equipment
- Performed administrative duties and donation processing

EDUCATION

University of British Columbia, Vancouver, BC

Bachelor of Applied Science - Biomedical Engineering

Expected Graduation: May 2024

CGPA: 84.1%, [Coursework](#)

AWARDS

Dean's Honour List

2020

Ladies' Auxiliary Bursary

2019

- Recognizing scholastic achievement and supporting the community