

Education

BSc. Honours Computer Science | University of Alberta

SEPT 2017 - DEC 2022

- Dean's List: First Class Standing all years – 3.8/4 GPA; 9+ academic scholarships.
- Coursework in software engineering, software quality, human-computer interaction, web architecture and applications, open-source capstone, operating systems, advanced game programming, machine learning, functional programming, database management, computer architecture, assembly, statistics, and data structure and algorithm analysis.

Work Experience

Software Engineering Intern | Intelligent Robot Learning Lab

MAY 2021 - PRESENT

- Designed and developed fingerprint labelling web app for research study to determine efficacy of a **human-in-loop AI agent**.
- Built with React in the front-end and **Python** web-sockets upon pre-existing **open-source** code with a small team
- Carried out unit-testing with **Jest** and integration testing with **Cypress**

Eclipse Adoptium AQAvit Foundation | CANOSP Student Software Contributor

JAN 2021 - PRESENT

- Part of **open-source** student cohort working on Adoptium testing infrastructure, mentored by industry experts
- Developed a new API to unzip TAP files and store in **MongoDB** database, and add new functionality in **React** frontend
- Worked with industry workflows such as Jenkins, Git, GitHub Actions, Groovy, and other QA tools.

Feature Projects

Ada's Team Website | Project Manager + Full-stack developer

bit.ly/adasite

- Managed and co-developed website for student group with **1k+** members redesigned to be more **accessible** in a team of 6.
- Built with **React** and **Firebase** in an Agile environment using **Git** & ZenHub with UI/UX design prototyping in Figma.

Appalanche | Full-stack Developer

bit.ly/appalanche

- Built full-stack **Android** app for collecting crowd-sourced data with **Java** and **Firebase** in a team of 6.
- Incorporated **continuous integration**, Agile workflow, UI/UX principles, unit testing with **JUnit**, and UI testing with **Robotium**.

ReLite | Front-end Developer

bit.ly/reLite

- Designed and developed **auth** web app for matching non-profits with pro-bono programmers in a gamified system.
- Built with **React** and **Firebase** in a team of 3 and designed solo in **Figma**.

Decentralized Social Media App | Front-end Developer

bit.ly/decentralSocial

- Designed and developed **auth** decentralized social media **web app** that distributes users across different applications.
- Built with **React** and **Django** in an Agile team of 6, matching with 5 other servers.

Leadership, Extracurriculars, and Accolades

President | Ada's Team

2021-2022

- Elected president for a student group with **1k+** members that promotes **diversity in STEAM** by hosting workshops, organizes technical/tutoring initiatives, and manages **\$70k+** in funding for attending conferences such as the **Grace Hopper Celebration**.
- Founded new UI/UX designathon for local non-profits' design problems — **ProtoJam 2022**.
- Founded 3 new annual scholarships to encourage and reward leadership, inclusiveness, and diversity.
- Directed a team of 6 organizers to host a program for 15 high-school students to be matched with mentors to aid in the transition to university and build professional skills via bi-weekly events.

Grace Hopper Celebration Attendee | Ada's Team

SEPTEMBER 2021

- Organized and participated in pre-conference events for resume building, interview preparation, and networking.

GirlsWhoCode and LEGO League Club Organizer | WISEST

AUG 2018 - MAR 2020

- Worked in a team of 3 to start robotics and CS clubs to teach 20+ girls programming, robot-building, and teamwork.

Broadview Press First-Year Essay Award | University of Alberta

MAY 2018

- Won for an English research essay, presented by the Department of English and Film Studies.

AlbertaWomen.AI Cohort Member | Alberta Machine Intelligence Institute (Amii)

JAN - AUG 2020

- Explored **ML** and **AI** principles and applications by visiting companies such as Deloitte, IBM, Improbable, and Intuit as part of a competitive pilot mentorship cohort of 15 by Alberta Machine Intelligence Institute (Amii).

Skills

- **PROFICIENT:** Python, Java, C/C++, HTML/CSS, JavaScript, Node, React, Git/GitHub, Agile
- **FAMILIAR:** SQL, NoSQL, MongoDB, Firebase, Assembly

Other Extracurricular Activities: Science Presenter at *Telus World of Science*, Tutor at *Ada's Tutors*, Study Group Leader at *Ada's Students*, Member of *University of Alberta Debating Society*, Classroom Demonstrator at *Science Fundamentals*