

Kaye Ena Crayzhel Misay

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EDUCATION

University of Alberta

Bachelor of Science in Computing Science with Specialization

Edmonton, AB

Sept. 2019 – April 2024

EXPERIENCE

Undergraduate Teaching Assistant

January 2024 - Present

University of Alberta

Edmonton, AB

- Helping students acquire better understanding of a user-centered approach to software design, focusing on UI/UX design, in an Introduction to Human Computer Interaction course (CMPUT 302).
- Assisting the professor and coordinating with other teaching assistants to provide a positive learning environment.

Software Developer Intern

May 2023 - Aug. 2023

Arcurve Inc.

Calgary, AB (Remote)

- Led implementation of a financial screen, enabling efficient payout management and real-time financial insights.
- Resolved threading issues by enforcing asynchronous patterns and distinct database instances for parallel tasks.
- Optimized database queries and transactions for a scoring page, resulting in reduced loading times by 90%.
- Collaborated with a team of 6 to update a Windows Forms desktop application to a website implementation.
- Directed a 5-member team in planning and executing a tech event for 19 attendees from inception to completion.
- **Utilized:** C#, .NET, Entity Framework Core, MudBlazor, Azure

Software Developer Co-op

May 2022 - Apr. 2023

Clio

Calgary, AB (Remote)

- Collaborated with a team of 7-9 members to integrate billing, calendar, and system notification features in a client portal, elevating the user experience across 2 web and 2 mobile applications.
- Led the development of a robust logic system for bulk bills sharing in a client portal, covering all use cases.
- Contributed in developing a software architecture for a calendar project, including database scalability, API upgrades and maintenance, and risk assessments.
- Developed comprehensive unit, integration, and end-to-end tests, assuring reliability of all system components.
- Actively managed and monitored incoming requests and alerts, and promptly resolved reported software flaws.
- **Utilized:** Ruby on Rails, AngularJS, React Native, TypeScript, GraphQL, Tailwind CSS, RSpec, Capybara

Undergraduate Research Assistant

May 2021 - Aug. 2021

University of Alberta

Edmonton, AB

- Received an award totalling \$8,000 from the National Sciences and Engineering Research Council of Canada and the University of Alberta for genetic mutation combination analyses.
- Established correlation and functional mutation pairs through implication analysis in vital spike protein regions.
- Performed mutation analysis and prediction experiments on about 6,500 protein sequences of SARS-CoV-2.
- Collaborated with a team of 5 to conduct data collection, data cleaning, data analyses, and manuscript writing.
- **Utilized:** Python, SQLite, Jalview, MAFFT

PROJECTS

Distributed | [GitHub Link](#)

Python, Django, React, TypeScript, Heroku

- Collaborated with a team of 5 to design and develop a social networking app enabling post sharing across servers.
- Led the development of database and API architecture using Django, ensuring efficient backend operations.

Control | [GitHub Link](#)

Java, Android Studio, Firebase, Figma

- Jointly developed a mental health app using object-oriented principles through code and database design.
- Secured 2nd place among 270 participants in a Calgary Youth Hackathon competition.

Momentum | [GitHub Link](#)

Java, Junit, Robotium, Android Studio, Firebase, Google API, Figma

- Collaborated with a team of 5 to develop a habit tracker app, allowing user-specific events and progress sharing.
- Led the app's design, orchestrated code development, integrated the database, and conducted thorough testing.

TECHNICAL SKILLS

Languages: Python, Ruby, TypeScript, JavaScript, SQL, Java, C#, HTML, CSS/SCSS, GraphQL

Frameworks: Ruby on Rails, Django, AngularJS, React Native, React, .NET, EF Core, Next.js, Tailwind CSS

Technologies: Git, Github, SQLite, Heroku, Firebase