

Kaye Ena Crayzhel Misay

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EDUCATION

University of Alberta

Bachelor of Science in Computing Science with Specialization, GPA: 3.64

Edmonton, AB

Sept. 2019 – April 2024

EXPERIENCE

Software Developer Intern

Arcurve Inc.

May 2023 - Aug. 2023

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

Clio

May 2022 - Apr. 2023

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.
- **Utilized:** Ruby on Rails, AngularJS, React Native, TypeScript, GraphQL, Tailwind CSS, RSpec, Capybara

Undergraduate Research Assistant

University of Alberta

May 2021 - Aug. 2021

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

Control | [GitHub Project 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 Project 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, AngularJS, React Native, .NET, EF Core, Next.js, MudBlazor, Tailwind CSS, RSpec

Technologies: Git, Github, SQLite, LaTeX, Markdown

EXTRACURRICULAR

Student Tutor in Intro. to the Foundations of Computation I and II

Ada's Team, University of Alberta

Sept. 2020 - Apr. 2021

Edmonton, AB

- Cultivated a conducive learning space, regularly mentoring 5 students on foundational computation topics.
- Employed illustrative techniques and high-level language, catering to individual learning styles and challenges.