

Kaye Ena Crayzhel Misay

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EDUCATION

BSc with Specialization in Computing Science

Edmonton, AB | Sept. 2019 - April 2024 (expected)

UNIVERSITY OF ALBERTA

Awards: Dean's Honor Roll A.Y. 2019-2022, Jobber Leadership Award, NSERC Undergraduate Student Research Award

WORK EXPERIENCE

Arcurve

Calgary, AB (Remote) | May 2023 - Aug. 2023

SOFTWARE DEVELOPER INTERN

- Collaborated with a team of 6 to update existing Windows Forms desktop application to a website implementation.
- 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%.
- 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

Clio

Calgary, AB (Remote) | May 2022 - April 2023

SOFTWARE DEVELOPER CO-OP

- Collaborated with a team of 7-9 members to integrate billing, calendar, and system notification features in a client portal, elevating the user experience for about 150,000 users across 2 web and 2 mobile applications.
- Spearheaded the development of a robust logic system for bulk bills sharing in a client portal, covering all use cases.
- Implemented highly readable, maintainable, and testable code for front-end, back-end, and mobile development.
- Developed comprehensive unit, integration, and end-to-end tests, assuring reliability of all system components.
- Contributed to project planning and architecture reviews, conducting thorough performance and risk assessments.
- **Utilized:** Ruby on Rails, AngularJS, React Native, TypeScript, GraphQL, Tailwind CSS, Jasmine, RSpec, Capybara

University of Alberta: Department of Computing Science

Edmonton, AB | May 2021 - Aug. 2021

RESEARCH ASSISTANT, NSERC UNDERGRADUATE STUDENT RESEARCH AWARD

- Collaborated with a team of 5 to conduct data collection and cleaning, data analyses, and manuscript writing.
- 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.
- **Utilized:** Python, SQLite, Jalview, MAFFT

PROJECTS

CONTROL, SECOND PLACE HACKATHON

JAVA, ANDROID STUDIO, FIREBASE

- A mental health app that lets a user add a profile, denote a mood with a journal entry, and view previous inputs.
- Collaborated with another developer to implement object-oriented concepts through code and database structure.

MOMENTUM

JAVA, JUNIT, ROBOTIUM, ANDROID STUDIO, FIREBASE, GOOGLE API

- A habit tracker app that lets users add habits, include habit events, and allow sharing current progress to others.
- Collaborated with 4 developers to implement application design, code and database structure, and testing.

SKILLS

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

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

Technologies: Git, Github, SQLite, LaTeX, Markdown

EXTRACURRICULAR

Ada's Team, University of Alberta

Edmonton, AB | Sept. 2020 - April 2021

VOLUNTEER STUDENT TUTOR (INTRODUCTION TO THE FOUNDATIONS OF COMPUTATION I AND II)

- Created a positive environment to assist students in acquiring better understanding of introductory concepts.
- Used graphical illustrations and high-level language to be applied in various computing-related settings.