

Matthew A. MacEachern

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🌐 [GitHub](#)

📍 Toronto, ON, Canada

EDUCATION

B.A.Sc. Computer Engineering, Queen's University Class of 2024, Kingston, Canada 2020 – Present

- Queen's University Excellence Scholarship (2020)
- Dean's List Scholar with GPA of 3.57

High School & International Baccalaureate Diploma, Bishop Macdonell High School 2016 – 2020

- Valedictorian
- Senior Athlete of the Year
- John A. Hourigan Award for academic performance, future potential, and community involvement
- 4x Ontario Scholar Award – graduated with overall academic average of 90%

Relevant Programming / Developing Skills

- Python, Java, Snowflake (SQL), Docker, Git, C/C++, HTML/CSS, Jira, Flutter, Netlify, and Typescript.

PROFESSIONAL EXPERIENCE

Artificial Intelligence Engineer, MoneyLion, Kuala Lumpur, Malaysia June 2022 – Sept 2022

- Developed an ETL pipeline for the automation of sanity testing and profiling on MoneyLion's **core** AI models
- Developed a program using **Python** to pull and profile **S3** data automatically creating testing conditions based on patterns in the data, further saving to **Snowflake** for automatic dashboard creation for the utility of other teams
- Utilized AWS, Docker, Kubernetes, Codefresh, Airflow, Snowflake (SQL), Great Expectations, and Git
- Worked in a multi-engineer team using **Jira** as a Scrum framework coordination tool

Fellow, The Cansbridge Fellowship, San Francisco, California Jan 2022 – Aug 2022

- Chosen as 1 of 27 Canadian students (~ 5% acceptance rate) to be sponsored with a \$10,000 grant for the pursuit of a week-long conference in San Francisco and a 3-month internship in Asia.

Founder, [Indyv.ca](#), [Project Repository](#) Apr 2021 – Present

Indyv.ca lets students convert their resume into a personal website with the click of a button.

- Web platform build in **HTML/CSS/JS** that takes a student's resume and generates a customized personal website.
- Market research indicated more and more job applications were asking for personal website links. This tool fills the gap for people who needed a website but didn't have the tools to make one.
- Front-end development using HTML/CSS/JavaScript. Hosted on **Netlify**.

Founding Member, Cansbridge Academy Apr 2022 - Present

- Providing a platform for students to collaborate with like-minded entrepreneurs to build foundational skills.
- Providing students with mentors, connections, and workshops on how to be a successful entrepreneur from a young age.
- Received \$1000 in funding to run the first iteration of the program

EXTRACURRICULAR & LEADERSHIP EXPERIENCE

Software Developer – Haus App, Queen's Technology and Media Association, Queen's University 2021 - Present

- Responsible for full stack programming of the product using TypeScript, Flutter, Google Cloud Platform, and Firebase
- Responsible for developing as well as researching the best architecture for a cost-splitting/sharing mobile application
- Provide constant updates to the app as well as add/remove features according to the everchanging business model

Next Gen Medical Simulation Hackathon, Queen's Clinical Simulation Centre, Queen's University February 2022

- Placed 2nd by creating DentiTrain, a tool used to project plaque, cavities, and other dental complexities onto a set of false teeth using AR paired with Arduino circuitry tracking force.

ADDITIONAL INFORMATION/SKILLS

- Men's Basketball All-Star, Men's Volleyball All-Star, Men's Basketball and Volleyball Team Captain, and PADI Scuba License