

# ERIC LI

Song “Eric” Yu Li | University of Waterloo CS Student and Five-Time Hackathon Award Winner

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Portfolio: [ericli3690.github.io](https://github.com/ericli3690)

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## Skills

**Languages:** Python, Java, Javascript, SQL, HTML/CSS

**Technologies:** ReactJS, ReactNative, Android + Android Studio, Firebase, TailwindCSS, NextJS, XGBoost, Unity, Git

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## Education

**University of Waterloo, Bachelor of Computer Science** | Waterloo, ON

Sep 2024 – Apr 2029

- **4.0 GPA** (Percentage Average: **96.2%**)
  - Admitted into a program with a **3.85%** admission rate, won **\$85 000+** via 12 scholarships
  - Relevant coursework includes CS145: Designing Functional Programs: Advanced Section
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## Selected Projects

**Midnight Sun Solar Car Design Team** | Strategy Subteam

Sep 2024 – Present

- Designing a strategy for a solar-powered car, utilizing **Python**, **Solcast API**, and **AWS RDS**
- Achieved **45x** faster route model generation by optimizing **psycopg2**-to-**PostgreSQL** write operations

**1st Place at 2 Hackathons** | MediHacks 2024 & Hack the Change 2023

Jul 2024 & Nov 2023

- Developed a **ReactNative** mobile app together with **Firebase** and the **Google Maps API** to help first responders react to emergencies at MediHacks 2024, beating **450+** contestants and winning **\$2000**
- Created a **NextJS+Firebase** app as part of a modular plant pot project at HTC 2024, winning **\$5000** against **250+** contestants and presenting the app to 100+ industry professionals at software company Benevity

**Android Mobile App: History Game** | Chronicler

Jun 2023 – Feb 2024

- Designed and created a **Java Android** app in **Android Studio** over the course of **9 months**
- Utilized heap and sorting algorithms, as well as the **Google GSON** library, to store data efficiently

**Assorted Python Projects**

Jan 2023 – Jun 2023

- Programmed a soccer betting Discord bot using Python and packages including **Matplotlib** and **Discord.py**
  - Published a documented **Python package** for developer-friendly data formatting, “esoteric-sigdigs”, to pip
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## Experience

**Co-Founder of Citywide Coding Competition** | Calgary, AB

Jun 2023 – Oct 2023

- Co-founded a citywide high school hackathon and **led a nine-person executive team**, attracting **\$2000+** in corporate funding from companies including Postman and Wolfram Alpha; drew 100+ participants

**Colliers** | Assistant Tenant Services Coordinator Intern | Calgary, AB

Jul 2023 – Aug 2023

- Managed events at downtown real estate assets for a **leading international real estate company**
- Independently planned, designed, and executed marketing campaigns and projects for a mobile app

**Calgary Taichi and Martial Arts College** | On-Call Assistant | Calgary, AB

Jun 2021 – Aug 2023

- Streamlined semester reports using **Python** and **Pandas** to automate the creation of 1000+ report cards/year
  - Modernized record-keeping by creating a central database of 400+ students using Excel and Mailchimp
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## Achievements and Extracurriculars

**Immigrants of Distinction Awards**, Youth Achievement Winner, Immigrant Services Calgary

Aug 2024

**Alberta Premier’s Citizenship Award**, Van Visvanatha Scholarship, Cenovus Energy STEM Scholarship

Jun 2024

**Distinction (top 25%) in the Euclid Math Contest**, University of Waterloo

Apr 2024

**Wrote an 80-page mathematical paper** on calculator algorithms (CORDIC, Chebyshev polynomials)

Apr 2024

**Volunteer of the Month**, High School Volunteering Club

Oct 2022

**ARCT Piano Performance Diploma**, RCM

Aug 2022