

ERIC LI

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

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Skills

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

Technologies: ReactJS, ReactNative, Android + Android Studio, Firebase, AWS, PostgreSQL, NextJS, MongoDB, Git

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
- Continuously created detailed documentation and comprehensive progress reports

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

Jun 2021 – Aug 2023

- Streamlined semester reports using **Python** 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