SONG "ERIC" YU LI

First-Year University of Waterloo CS Student and Four-Time Hackathon Award Winner

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Skills

Languages: Python, Java, Javascript, SQL, Kotlin, HTML/CSS, Dart
Technologies: Android + Android Studio, Firebase, ReactJS, ReactNative, TailwindCSS, NextJS, MongoDB, Unity, Git

Education

University of Waterloo | *Bachelor of Computer Science* | *Waterloo, ON*   *Sep 2024 – Apr 2029*
- Admitted into a program with a **3.85%** admission rate
- Won **$35 000+** via 10 scholarships, including the university's only Jones Family Scholarship (~1/1890)
- Currently enrolled in CS145: Designing Functional Programs: Advanced Section

Sir Winston Churchill High School | *Full International Baccalaureate (IB) Diploma* | *Calgary, AB*   *Sep 2021 – Jun 2024*
- Earned consistent **4.0 GPA** and Honors with Distinction, including **7/7 in CS IB Higher Level**

Projects

Midnight Sun Solar Car Design Team | *Strategy Subteam*   *Sep 2024 – Oct 2024*
- Designing a strategy for a solar-powered car by analyzing **Solcast API** data via **Python** and **PostgreSQL**

1st Place out of 450+ Contestants at Hackathon | *MediHacks 2024*   *Jul 2024*
- Developed **ReactNative** app with **Firebase** to help first responders react to emergencies, winning **$2000**
- Integrated the **Google Maps API** and the **Nominatim API** to calculate and display emergency data

Gamified History Android Mobile App | *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

1st Place out of 250+ Contestants at University-Level Hackathon | *Hack the Change 2023*   *Nov 2023*
- Created a **NextJS** + **Firebase** mobile app as part of a modular plant pot project, winning **$5000**
- Presented the app to an audience of 100+ industry professionals at software company **Benevity**

3rd Place at 2 Hackathons | *Simplihacks 2.0 and STEMist Hacks II*   *Jun 2022 & Jul 2023*
- Used **ReactJS** and **TailwindCSS** to place on the podium against **400+** and **600+** other contestants respectively

Assorted Python Projects   *Jan 2023 – Jun 2023*
- Programmed a soccer betting Discord bot using Python and packages including **Matplotlib** and **Discord.py**
- Published a **Python package** for developer-friendly data formatting, "esoteric-sigdigs", to pip

Experience

CTRL Hacks | *Co-Founder* | *Calgary, AB*   *Jun 2023 – Oct 2023*
- Co-founded a Calgary-wide 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*
- Independently planned, designed, and executed marketing campaigns for a mobile app
- Managed events for real estate assets in downtown Calgary; extracted insights into engagement via Excel

Calgary Taichi and Martial Arts College | *On-Call Marketing 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

Achievements and Extracurriculars

Immigrant Services Calgary Immigrants of Distinction Awards, Youth Achievement Winner   *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 80-page mathematical paper on calculator algorithms including CORDIC, Chebyshev polynomials   *Apr 2024*
Volunteer of the Month, High School Volunteering Club   *Oct 2022*
ARCT Piano Performance Diploma, RCM   *Aug 2022*