

# Derek Gou

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## Relevant Experience

<b>RythmHacks – Finance Team Lead</b>	<b>Jan. 2024 - Present</b>
<ul style="list-style-type: none"><li>- Creates sponsor packages and budgets</li><li>- Communicates with potential sponsors and applies for grants</li><li>- Leads bi-weekly finance team meetings, sets goals and delegates tasks</li></ul>	
<b>SproutHacks – Co-founder and Co-lead</b>	<b>Sep. 2023 - Present</b>
<ul style="list-style-type: none"><li>- Manages all financial operations and venue communications</li><li>- Aids in graphic design and web development</li><li>- Has raised over \$1,300 in funding</li></ul>	
<b>SHAD Canada – Ambassador</b>	<b>Jul. 2023 - Present</b>
<ul style="list-style-type: none"><li>- Participated in month-long university program for high-achieving students</li><li>- Inspires and mentors potential program participants</li></ul>	
<b>Schoolhouse.org – Certified Peer Tutor and Peer Reviewer</b>	<b>Sep. 2023 - Present</b>
<ul style="list-style-type: none"><li>- Certified in various math and science topics, tutoring students from 4 countries</li><li>- Provides feedback on tutor sessions, helps tutors learn and improve</li></ul>	
<b>Hockey Referee – Waterloo Minor Hockey Association</b>	<b>Sep. 2022 - Present</b>
<ul style="list-style-type: none"><li>- Works in teams to enforce and communicate rules, ensures safety of all participants, and fills out paperwork after games</li></ul>	
<b>Level 5 Match Official – Waterloo Minor Soccer Club</b>	<b>Jul. 2020 - Present</b>
<ul style="list-style-type: none"><li>- Works alone to officiate rep and house league youth soccer games, makes and communicates quick judgements, and fills out paperwork after games</li></ul>	

## Programming Languages and Tools

### Languages

Python, HTML5, CSS3, Javascript, Processing

### Frameworks and libraries

React, jQuery, Scrapy, NumPy

### Technologies

GitHub, VSCode, Inkscape, WordPress

## Hackathon Experiences

<b>RythmHacks</b>	<b>Sep. 2023</b>
<ul style="list-style-type: none"><li>- QOL application, with features such as AI-generated alt text, saturation, and blue light filter</li></ul>	
<b>Ignition Hacks</b>	<b>Aug. 2023</b>
<ul style="list-style-type: none"><li>- Text-to-speech extension that annotates emotion in real time</li></ul>	
<b>JamHacks7</b>	<b>Jun. 2023</b>
<ul style="list-style-type: none"><li>- Chrome Extension powered by custom AI model to detect phishing emails<ul style="list-style-type: none"><li>- Best Beginner Hack at JamHacks7, 4th overall</li></ul></li></ul>	

## Awards and Achievements

### CEMC Math and Computing Contests

- Honour-roll recipient
- 2022: CIMC

- 2023: Galois
- 2024: Fermat
- 9-time distinction recipient
  - 2021: CIMC
  - 2022: Pascal, Fryer, CIMC
  - 2023: Cayley, Galois, CSMC
  - 2024: CCC, Fermat
- Waterloo Collegiate Institute CTMC team member (Jan. 2024 - Present)
  - Placed 4th in Canada (Apr. 2024)

#### **DECA**

- First overall at DECA Regionals (Nov. 2023)
- Top 15 exam at DECA Provincials (Feb. 2023)

#### **JamHacks7**

- 4th Overall
- Winner of Best Beginner Hack award

#### **Piano Performance**

- Awarded the Associate Diploma in Piano Performance with First Class Honours (Jul. 2022)
- 3-time OMFA Provincial Finalist

### Certifications

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**Career Essentials in GitHub** – GitHub

**Career Essentials in Generative AI** – Microsoft

**Career Essentials in Software Development** – Microsoft

**Python Professional Programmer** – Python Institute

### Education

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#### **Waterloo Collegiate Institute**

**Sep. 2021 - Jun. 2025**

- Ongoing high school Extended French diploma
- 99% Average
- Extracurriculars:
  - WCI DECA (orals workshop officer)
  - Tutoring Club (communications and outreach director, math tutor)
  - Chess Club (executive)
  - Computer Science Club
  - Senior Tennis Team