

ETHAN GUO

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TECHNICAL SKILLS

- Extensive (7 years) experience in Python.
- Extensive experience in full-stack web application development.
- Experienced in web administration tasks such as setting up and managing web servers, databases, DNS records, CDNs, and email routing.
- Experienced with machine learning, natural language processing and computer vision.
- Also proficient in Node.js, Java, C, C#, and BASIC.

EDUCATION

Sir John A. Macdonald Secondary School
Waterloo, Ontario

2014 – Present

- **Computer Science Club Executive** **2015 – Present**
 - Lead weekly workshops, lessons and activities for high school students.
 - Maintain an active website and discussion board for the club, running on AWS, Heroku and Cloudflare.
- Placed within top 25% of contestants in the 2015 Pascal, 2016 Cayley and 2017 Fermat Mathematics Contests, and the 2016 and 2017 Canadian Computing Competition, Senior.
- Achieved a perfect score on the 2014 Canadian Computing Competition, Junior.

WORK EXPERIENCE

Kumon Assistant
Kumon Math and Reading Centre, Waterloo, Ontario

2015 – Present

- Assist students ranging from 4 to 18 years of age with Kumon math and reading programs.
- Grade and file student homework assignments.

ADDITIONAL EXPERIENCE

Founder and Lead Organizer
JAMHacks

2016 – Present

- Created and organized JAMHacks, Waterloo's first high school hackathon.
- Lead a team of 5 organizers in responsibilities including sponsorships, promotions, logistics, and creating a website (<http://jamhacks.ca>).

Maker Space Volunteer
Waterloo Public Library, Waterloo, Ontario

2015 – 2016

- Assisted young children with arts and craft projects and helped operate tools.
- Explained the design process, circuitry and electronic components to children.