

26 Willowbrook Rd  
Thornhill ON

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## Employment

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### Back End Developer

### Beerhopper (Student Startup)

May 2015 – March 2016

- Engineered REST API using Node.js and Express to handle cross-platform user activities
- Modelled and operated a PostgreSQL database

## Education

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### Thornhill, ON

### Thornhill Secondary School

September 2013 – Present  
(Grades 9 – 12)

Expected graduation July 2017

- 97.0% AP Grade 12 Computer Science
- 99.7% AP Grade 11 Computer Science

## Technical Experience

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### Projects

- **CHIP-8 emulator** (2016). An emulator for the CHIP-8 interpreted language. C, SDL
- **Image sharing backend** (2016). Flask server for an image sharing website and app. Python, Flask, AWS, Heroku
- **Memory allocator** (2016). Reimplementation of malloc and free within a 16MB block. C
- **CSV parser** (2015). CSV file parser that reads CSV files into a map. Elixir
- **Tuple library** (2015). Implementation of the Keyword API for a custom type. Published on Hex. Elixir
- **Code Rally AI** (2015). Basic AI for IBM's Code Rally challenge. Java
- **Static website using Spotify API** (2015). Website where users enter an artist's name and similar ones are suggested. HTML, CSS + Skeleton Framework, Javascript
- **Reddit bot** (2014). Reddit bot that corrects errors in user's markdown formatting. Python

Source code and other projects on my Github account

## Additional Experience and Awards

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- **Leader of Computer Club (2014 – 2016):** Held weekly meetings, worked on toy projects with other students, taught Python
- **Certificate of merit, computer science (2016):** Top student in grade 11 computer science
- **Certificate of distinction, Canadian Computing Competition (2015, 2016):** Top 25% of 5000 participants
- **Certificate of distinction, Beaver Computing Challenge (2014):** Top 25% of over 5000 participants
- **Presenter Youth EdTech Summit:** Taught students to create Android apps using MIT App Inventor
- **Member of Student IT Team:** Assisted teachers and students weekly after school
- **Member of Tech Crew:** Set up video and audio equipment for school events

## Languages and Technologies

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Experienced with:

- Java; Python; Linux

Some familiarity with:

- Elixir; C; SQL; HTML; CSS; Javascript; Arduino