

26 Willowbrook Rd
Thornhill ON

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Employment

Back End Developer	Beerhopper (Student Startup)	May 2015 – March 2016
<ul style="list-style-type: none">Engineered REST API using Node.js and Express to handle cross-platform user activitiesModelled and operated a PostgreSQL database		

Education

Thornhill, ON	Thornhill Secondary School	September 2013 – Present (Grades 9 – 12)
Expected graduation July 2017		
<ul style="list-style-type: none">98.0% AP Grade 12 Computer Science99.7% AP Grade 11 Computer Science		

Technical Experience

Projects

- Custom Version Control System (2017):** Basic version control system loosely modeled after git. Python
- 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 Github account

Additional Experience and Awards

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- Leader of Computer Club (2014 – 2017):** Held weekly meetings, worked on toy projects with other students, taught Python
 - Member of Tech Crew (2015 - 2017):** Set up video and audio equipment for school events
 - Member of Student Newspaper (2017):** Help with layout and design of newspaper
 - Member of Student IT Team (2016):** Assisted teachers and students weekly after school
 - Presenter Youth EdTech Summit:** Taught students to create Android apps using MIT App Inventor
 - Certificate of distinction, Canadian Senior Math Competition (2016):** Top 25% of 9772 participants
 - 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

Languages and Technologies

Experienced with:

- Java; Python; Linux

Some familiarity with:

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