

26 Willowbrook Rd
Thornhill, ON

PAUL OLTEANU
1B Computer Engineering
University of Waterloo

(647) 449-6597
p.a.olteanu@gmail.com

SUMMARY OF SKILLS

Languages + Frameworks

- Python + Flask, Click | C | Ruby + Rails | C++ | Elixir | SQL | HTML | CSS | Javascript

Technologies

- Linux | Postgres | Git | Heroku | Arduino | DipTrace

EMPLOYMENT

Full Stack Developer

Hashtag Paid

January 2018 – April 2018

- Led project creating multi-step form used by companies to request a campaign proposal
- Updated old-style campaign model to collect more data for accounts team
- Worked closely with UI/UX designer, creating mockup of online campaign proposal tool
- Languages and technologies: **Ruby + Rails, AWS, Postgres, HTML, CSS, Javascript**

Back End Developer

Beerhopper (Student Startup)

May 2015 – September 2015

- Created REST API to handle cross-platform CRUD activities
- Modelled and operated a PostgreSQL database to store user data and subscription information
- Languages and technologies: **Javascript, Node.js + Express, Postgres**

PROJECTS

- **Hardware Logic Gate Simulator (2017):** Logic gate simulator (AND, OR, XOR, NAND), for the Onion Omega 2 embedded system. Config done through CSV file. **C**
- **Custom Version Control System (2017):** VCS loosely modeled after git. Supports commit messages, reverting, and a full history view. Represents commits through file diffs instead of full copies to reduce storage footprint. **Python + Click**
- **CHIP-8 emulator (2016):** An emulator for the 35 opcode CHIP-8 interpreted language. **C + SDL**
- **Image sharing website (2016):** Image sharing website similar to Reddit and Instagram. Allows for multiple sorting algorithms and uses DB-side pagination. **Python + Flask, AWS, Heroku, Postgres**
- **Memory allocator (2016):** Reimplementation of `malloc` and `free` within a 16MB memory block. Uses the boundary-tag method to keep track of allocated and free memory. **C**
- **Tuple library (2015):** Implementation of the `Keyword` API for binary types. Published on Hex (the Elixir/Erlang package manager), with 600 installs. **Elixir**

Source code and other projects at github.com/PaulOlteanu

ADDITIONAL EXPERIENCE AND AWARDS

- **Leader of Computer Club (2015 – 2017):** Held weekly meetings, helped students with projects, taught Python
- **President's scholarship (2017):** Awarded to students with admission averages between 90% – 94.9%
- **Engineering entrance scholarship (2017):** Awarded to students with "outstanding high school records and involvement in extracurricular activities"
- **Certificate of distinction, Canadian Computing Competition (2015 – 2017):** Top 25% of 5000 participants
- **Certificate of distinction, Euclid Math Contest (2017):** Top 25% of 21000 participants
- **Certificate of distinction, Canadian Senior Math Competition (2016):** Top 25% of 9772 participants