26 Willowbrook Rd Thornhill ON

# **PAUL OLTEANU**

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### **SUMMARY OF SKILLS**

### Languages + Frameworks

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

### **Technologies**

• Linux | Postgres | Heroku | Arduino | EAGLE

#### **EMPLOYMENT**

# **Full Stack Developer**

# **Hashtag Paid**

July 2017 – August 2017

- Worked closely with UX designer to create mockup of online campaign proposal tool
- Migrated old-style campaigns into new format to collet more data for accounts team
- Created multi-step JS form to be used companies to request a campaign proposal
- Languages and technologies: Ruby + Rails, AWS, Postgres, HTML, CSS, Javascript

#### **Back End Developer**

# **Beerhopper (Student Startup)**

May 2015 - March 2016

- 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**

- Custom Version Control System (2017): Version control system 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

#### **Extracurriculars**

- **UW Robotics Design Team (2017):** Designed electronics system and wrote software for the Zero first-year robotics competition
- Leader of Computer Club (2015 2017): Held weekly meetings, helped students with projects, taught Python

### **Awards**

- 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