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PAUL OLTEANU

1A Computer Engineering
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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 collect more data for accounts team
- Created multi-step form to be used by 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 user activities
- Modelled and operated a PostgreSQL database
- Languages and technologies: **Javascript, Node.js, Express, Postgres**

TECHNICAL EXPERIENCE

Projects

- **Custom Version Control System (2017)**: Version control system loosely modeled after git. **Python**
- **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. **Python + Flask, AWS, Heroku, Postgres**
- **Memory allocator (2016)**: Reimplementation of `malloc` and `free` within a 16MB memory block. **C**
- **Tuple library (2015)**: Implementation of the `Keyword` API for a custom type. Published on Hex. **Elixir**

Source code and other projects at github.com/PaulOlteanu

ADDITIONAL EXPERIENCE AND AWARDS

Extracurriculars

- **UW Robotics Design Team (2017)**: Designed electronics system and programmed software for Zero first-year 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

LANGUAGES AND TECHNOLOGIES

Languages

- Python; C; Ruby; C++; Java; Elixir; SQL; HTML; CSS; Javascript;

Technologies

- Linux; Arduino; EAGLE