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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