

ULYSSE CARION

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GitHub: github.com/ucarion

I always try to use the right tool for the task, and I think trying out new languages and tools is part of a programmer's job. I use `git` extensively and work from the Unix command line.

I love hacking on open-source projects in Ruby, Node, and Haskell.

EDUCATION

University of California, Berkeley

2014 - Present

Pursuing B.S. in Computer Science & Engineering

EXPERIENCE

Curriculum

June 2013 - Present

Founder

- Started my own software product that streamlines the way computer science is taught in high schools.
- Wore many hats—programmer, designer, DevOps, help desk, sales—and loved it.
- Developed a Ruby on Rails application that grades student programs using a DelayedJob worker and Docker. Used Capistrano to deploy to DigitalOcean droplet. A cron job backs up important data to AWS S3.

ScoreStream

December 2013 - April 2014

Intern

San Diego, CA

- Made web-scrappers to fill in gaps in ScoreStream's using data using various APIs.
- Created an internal website for sending out push notifications to specific users within a selected circle or U.S. state (I did not write the code to actually send notifications out). Worked on the entire stack: AngularJS + ExpressJS + NodeJS + MySQL, all deployed onto an AWS EC2 instance.

RCSB Protein Data Bank

June 2013 - August 2013

Intern

University of California, San Diego

- Created a bioinformatics search tool in Java that, given a rough description of drug-protein interaction, would find instances of matching interactions in the Protein Data Bank (PDB).
- Worked on making searching scalable; the PDB contains 90,000+ proteins, requiring highly-efficient search algorithms.
- Made numerous contributions to BioJava, an open-source bioinformatics library.

PROJECTS

Most of my projects are on GitHub (github.com/ucarion), but here's some highlights:

The Musical Turk, an open-source audio-visual experiment made with WebGL. It portrays a mechanical machine that performs classical music. Check it out at: ulyссе.io/turk (the sound no longer works due to breaking changes in the WebAudio API).

Godot, a chess-playing program. I hooked it up to Selenium WebDriver and had it play online on chess.com, where it ranked in the 99.89th percentile among humans.

TECHNICAL STRENGTHS

Computer Languages
Tools

Ruby, Java, JavaScript, Haskell, C
`git`, Sublime Text, \LaTeX , `bash`