

ULYSSE CARION

ulyссе.io ♦ ulyссе@ulyссе.io

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

Ruby, Java, JavaScript, Haskell, C

Tools

`git`, Sublime Text, \LaTeX , `bash`