

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. My favorite languages are Ruby, Haskell, and Rust.

EDUCATION

University of California, Berkeley
B.S. in Computer Science & Engineering

2014 - 2018

EXPERIENCE

Yelp

June 2015 - August 2015

Software Engineering Intern, Distributed Systems Team

San Francisco

- Developed and deployed a web service that could stream live data from Apache Kafka or fetch archived data from S3.
- Developed a Python class for seamless parallel consumption from Kafka, safely and automatically handling load balancing between workers.
- Made contributions to Yelp's public fork of Kafka-Python, a Python client for Kafka.

Curriculum

June 2013 - August 2014

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.

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.

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 SKILLS

Computer Languages
Tools

Ruby, Rust, Python, JavaScript, Java, Haskell, C
git, vim, Unix