

ULYSSE CARION

(510) · 502 · 1557 ◊ ulyссе@ulyссе.io

EDUCATION

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

2014-2017

EXPERIENCE

Quizlet

Web Engineering Intern

June 2016–August 2016

San Francisco

- Re-wrote “Test Mode”, one of Quizlet’s oldest and top-used features, in React. This involved carefully reproducing a lot of existing functionality on all browsers and screen sizes.
- Contributed to Quizlet Live, a live classroom game written in React and Redux.
- And much more: updating marketing emails to support i18n, adding new batch jobs, improving internal tooling — Quizlet is a small company, so I did whatever needed to get done.

Yelp

Software Engineering Intern, Distributed Systems Team

June 2015–August 2015

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

Founder

June 2013–August 2014

- 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.

PERSONAL PROJECTS

Most of my side projects are on GitHub (github.com/ucarion), but here are 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.

A Toy Front-End for LLVM, written in Rust, a beginner’s guide to writing a compiler using LLVM, the compiler infrastructure used by Rust and Clang. Read more at: blog.ulyссе.io.

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

TECHNICAL SKILLS

Computer Languages
Tools

JavaScript, CSS, Python, Rust, Ruby, Java, PHP, Haskell
Git, Linux