

# ULYSSE CARION

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## EDUCATION

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

2014-2017

## EXPERIENCE

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### 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

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Most of my side projects are on GitHub ([github.com/ucarion](https://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](http://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](http://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

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Computer Languages  
Tools

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