

# ULYSSE CARION

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GitHub: [github.com/ucarion](https://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` and `vim` extensively and work from the Unix command line.

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

## EDUCATION

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

2014 - 2018

## EXPERIENCE

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### 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

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Most of my projects are on GitHub ([github.com/ucarion](https://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](https://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 99.89<sup>th</sup> percentile among humans.

## TECHNICAL SKILLS

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**Computer Languages**  
**Tools**

Ruby (Rails), Java, JavaScript, Haskell, C, Python  
`git`, `vim`, Sublime Text, L<sup>A</sup>T<sub>E</sub>X, Unix