

Nicolas Lawler

lawler145@gmail.com

licknawler.com

Github

Experience

j2 Global, Software Engineering Intern (June - September 2015)

Built a JSON API to automate a customer service workflow that previously required manual engineer intervention. Written in Java using Spring Boot.

- Worked with the original designer and other stakeholders to iteratively build a system that met business goals.
- Projected to free up 80% of Engineering's time spent on customer service requests.
- Also prototyped a web-based interface to query the API and consume it's JSON responses.

Projects

Lessons

A function from bass drumming knowledge to money, implemented as a web form.

- Frontend is an **Elm** application that communicates with **Stripe Checkout's** JavaScript API over the FFI. Lives on Amazon s3/CloudFront.
- Backend is a JSON API written in Haskell, using the **servant** framework. It processes the payment requests sent by the UI and uses the **Trello** API to leave a card in my account. Hosted on Heroku.

UCRList

A UCR-themed **ListVerse** for UCR CS's Senior Design course.

- Helped implement the Friends and Followers functionality by picking a suitable Django plugin and defining its interactions with the rest of the application.
- Implemented a simple content ranking algorithm, based on user's browse and like history.
- Led the team's documentation efforts, earning the highest documentation score in the class.

Programming Languages and Tools

Comfortable

Java, Haskell, Elm, JavaScript, SQL, OSX, Linux, Bash, Git

Familiar

C, C++, Python, Julia, Matlab, Subversion, Jekyll, AWS, Heroku

Education

2010-2015
(expected)

BS, Computer Science; University of California, Riverside

3.49 GPA

Courses: AI and Machine Learning, Optimization, Mobile Networks, Information Retrieval, Software Engineering, Database Design

Non-Technical Badassery

- Alumni of the world-renowned **Bluecoats Drum and Bugle Corps**.
- Alumni of the world-renowned **Pulse Percussion**, and was a leader during their 2014 World Championship Season.
- Instructor for the Regional Champion Etiwanda High School Drumline.
- Former instructor for the World Champion Chino Hills High School Drumline.