Nicolas Lawler

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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 single page web form used to charge for music lessons.

- Frontend is an **Elm** application that communicates with **Stripe Checkout**'s JavaScript API. Hosted on Amazon s3 backed CloudFront distribution.
- 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.

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   **BS, Computer Science**; University of California, Riverside

3.47 GPA

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

Musical Badassery

Performance 2 Bronze and 1 Gold medal at **WGI Percussion** Independent World Finals

2nd, 4th, and 5th place percussion finishes at **DCI** World Class Finals, plus lots of **street cred**

Instruction Taught the 2013 WGI Percussion Scholastic World Gold Medalist and 2014 Silver Medalist ensemble

Taught many groups at all skill levels, received many local and regional medals