

# GEORGE LIU

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[Personal Site](#)

[LinkedIn](#)

[GitHub](#)

## SKILLS

Ruby, Rails, Javascript, React, Redux, SQL, SQLite3, PostgreSQL, HTML, CSS, AJAX, jQuery, NPM, Node

## PROJECTS

**Slick** - (Ruby on Rails, React, Redux, NPM, HTML5, CSS)

[Live Site](#) | [GitHub](#)

*Fullstack clone of the popular messaging web app, Slack, implementing action cables for messages*

- Integrated multiple React-Redux action cycles to implement CRUD for users, channels, and messages through AJAX and various HTTP request types and usage of thunk middleware
- Established Rails channels, action cables, and websockets to produce a replicated experience of messaging and notifications
- Constructed an efficient search algorithm to provide an instantaneous experience for searching for other users during creation of a new direct message

**Left Punch Right Kick** - (Javascript, HTML5, CSS)

[Live Site](#) | [GitHub](#)

*Javascript game with easy-to-learn controls but high difficulty to provide high replayability*

- Implemented HTML5 canvas element manipulation with asynchronous event loops and event listeners to deal with user actions and image rendering
- Facilitated a dynamic view through usage of sprites to provide an changing experience based on user action, frame data control and timed interaction
- Utilized vanilla Javascript event listeners to create a fully responsive, dynamic architecture manipulating CSS and integration of Google Firebase for highscores

## EXPERIENCE

**Campus Mobile Solutions**

*Urbana Champaign, Illinois*

*Manager*

(Jul 2017 - Nov 2018)

*Repair Technician*

(Jul 2015 - Jul 2017)

- Transferred existing ShopKeep POS system to RepairShopr POS, Ticketing, and Invoicing all-in-one platform, implementing several integrations with Slack & payment services
- Overhauled entire inventory system through Excel scripts and CSV manipulation to streamline transfer to a new database architecture
- Supervised new employees, provided training in how to repair devices, both hardware and software related issues, and instructed on RepairShopr usage
- Facilitated the opening of a second location, transferring of overhead, scheduling employees, and managing distribution of necessary repair tools and software repair devices

## EDUCATION

**App Academy** - 1000+ hour full-stack web development program with <3% acceptance rate

(Spring 2019)

**University of Illinois at Urbana Champaign** - Bachelor's of Science, Materials Science of Engineering

(Spring 2018)

**Stuyvesant High School** - consistently top ranked high school in NY & nationwide

(Spring 2014)