

AARON GRAU

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[Portfolio Site](#) - [Github](#) - [Linkedin](#)

PROJECTS

KitchenStarter (Rails, React/Flux) | [live](#) | [github](#)

Fundraising app for new restaurants based on Kickstarter

- Implements a custom SQL query to reduce number of database calls by over 90%, improving backend efficiency and scalability
- Uses a RESTful Rails backend to serve JSON to a React/Flux front-end using AJAX requests

Chess (Ruby, React/Flux) | [live](#) | [github](#)

Chess engine AI that users can play against in browser

- Applies minimax algorithm and alpha-beta pruning to quickly evaluate over 1 million possible positions per turn
- Prevents extra AJAX requests and provides instant feedback using frontend move validations

Poke Trouble (HTML Canvas, JavaScript) | [live](#) | [github](#)

A Pokemon themed remake of the game Bubble Trouble

- Dynamically renders sprites using HTML5 Canvas, a lightweight and mobile friendly platform, to display at constant 60 FPS

SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, SQL, Git, HTML5, CSS3

EDUCATION

App Academy, New York, NY

Winter 2016

Rigorous 1,000 hour full-stack web development course with a 3% acceptance rate

Vanderbilt University, Nashville, TN

2011-2015

Major: Economics; Minors: Scientific Computing and Financial Economics

GPA: 3.42/4.00; Econ Major **GPA 3.77/4.00**, Highest Honors in Economics

Recipient of T. Aldrich Finegan Prize for Most Outstanding Senior Honors Thesis in Economics

WORK HISTORY

Goldman Sachs, New York, NY

Summer 2014

Sales and Trading Summer Analyst

- Gained experience in risk management and derivative evaluation rotating on three trading desks

Worry Free Labs, New York, NY

Summer 2013

Full Service Development Intern

- Researched mobile app usage trends in the fitness industry to identify and acquire new clients
- Communicated with clients to identify new opportunities for web and mobile app development, increasing repeat business