Austen Gee

SOFTWARE ENGINEER

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PROJECTS

Lit Lives — live | github
React front-end with RESTful Ruby on Rails backend

- Used Google Books API to dynamically populate books index and search, allowing friendly interaction between site's database and Google API
- Rendered view layer with React to create a single-page view that makes for smooth and quick navigation within app.
- Employed Flux to manage state

Caging Cage — live | github
Front-end application using only vanilla JavaScript, HTML, and CSS. No outside libraries or frameworks used

- Used asynchronous functions to create dynamic point and click game

VBA projects (REI)

- Three VBA excel-based programs for a client to analyze coal power plants
- Interface that dealt with hundreds of input data, organized, prepared and then used a shell to run it through in-house CFD software
- 3D display of CFD results partially interpreted
- Wrote user manuals for all three programs

EDUCATION

BS in Mechanical Engineering, Brigham Young University

- Minor in mathematics
- Curriculum highlights include: Intro to programming (Java), Data Structures and Algorithms (C++), Advanced Applied Mathematics
- Researched pattern recognition on SEM scans using custom Hough Transforms I wrote using MatLab
- Graduated Cum Laude (3.8 GPA)

App Academy, San Francisco

- Premier full-stack web development bootcamp in San Francisco
- Acceptance rate < 3%

WORK HISTORY

App Academy - San Francisco (TA and Tutor)

- Helped dozens of students accomplish their programming goals

Reaction Engineering International - Salt Lake City (Mechanical Engineer)

- Wrote three software packages and user manuals for coal power analysis
- Analyzed and prepared presentations on environmental output of coal power plants

MathLab - Brigham Young University (TA and Tutor)

- Tutored and taught students in Algebra, Calculus, Linear Algebra, Multi-Variable Calculus, Differential Equations, and more.

SKILLS

Ruby / Rails
JavaScript
HTML / CSS
VBA
SQL
React
Flux
jQuery

LINKS

GitHub

LinkedIn