NATE FESTINGER

Web Developer

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SKILLS

Ruby • Rails • JavaScript

React.js • Redux • ES6 • JSX

SQL • Git • HTML5 • CSS3

EDUCATION

App Academy (2017)

Rigorous 1000-hour software development course with < 3% acceptance rate

Subjects include: TDD, scalability, algorithms, OOP, coding style, RESTful routing, user authentication, single-page apps, web development best practices

Relevant Online Courses

- **Harvardx** CS50 - *Intro to CS*
- **MITx** *Intro to CS in Python*
- **UBCx** *Systematic Program Design*
- **Stanfordx** *Introduction to Mathematical Thinking*
- **Thinkwell** *Precalculus*
- **UTAx** *Effective Thinking Through Mathematics*

PROJECTS

Sonatify (Rails, React/Redux, JavaScript, PostgreSQL)
github.com/sonataFarm/sonatify

Full-stack single-page Spotify clone with a focus on classical music.

- *Leverages AWS S3 for secure audio storage and retrieval*
- *Utilizes hot loading for on-the-fly data retrieval, throttling load-times for a seamless user experience*
- *RESTful API supports CRUD operations on playlists*

Cubes in Space (JavaScript, Three.js, HTML5 Canvas)
github.com/sonataFarm/cubes_in_space

Interactive 3D digital art project utilizing Three.js for 3D animation and HTML5 for pixel manipulation.

- *Utilizes HTML5 Canvas for performant pixel control to dynamically render a randomized environment*
- *Extends Three.js classes, using OOP to further abstract and encapsulate 3D objects and their methods*

Lost in Wiki (Rails, React/Redux, JavaScript, Three.js)
github.com/sonataFarm/lost_in_wiki

Collaborative project. Game representing Wikipedia pages as stars in a 3D starfield; players must navigate to a destination page in a given amount of time, traversing via page links.

- *Worked in team of three to quickly develop product using a GitHub collaborative workflow*
- *Integrates Wikipedia API with custom requests, fetching only necessary data for minimal bandwidth usage*
- *Combines Three.js with React/Redux, using class extensions of Three.js objects to achieve a highly modular design*

WORK HISTORY

Web Admin/Piano Faculty (2013-2016)
The New York Piano Academy

- *Designed and implemented new website to reflect academy's brand, resulting in a 25% increase in enrollment over a year*
- *Maintained and updated website; designed print materials*
- *Taught classical piano lessons to a diverse studio of child and adult students*

Project Manager (2011-2013)
Media Partners

- *Managed strategy and technical operations for e-commerce website, doubling site revenue*
- *Implemented database integration with Microsoft Access, allowing for valuable data analysis via relational queries*
- *Coordinated with developers to design, maintain and update website*