

Nathan Johnson

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[github](#) • [LinkedIn](#)

Projects

TuneHub • [live](#) • [github](#)

Full-Stack: Javascript, Ruby on Rails, React

Fully-featured music-sampling site with multiple user features in a single-page format.

- Queried a SQL database from React frontend through a Rails backend
- Designed a joins table in PostgreSQL to allow users to follow artists
- Implemented song player, search, and user authentication as key features

Penelope the Penguin • [live](#) • [github](#)

Javascript

Endless survival game based on a classic helicopter game but with a twist

- Created a simple game that can be played on the browser
- Formulated algorithms for swimming physics and impact detection
- Rendered shapes representing penguin, walls, game background, and obstacles

aNSR • [live](#) • [github](#)

Full-Stack: iOS/Swift 3,

Firebase

Polling app for friends in iOS that allows users to post and vote on contentious questions

- Implemented full user authentication with a Firebase backend/database
- Built in a question/answer/vote system that persists to database
- Designed a clean and colorful representation of vote data with graphs

Education

App Academy • San Francisco, CA • November - February 2016

Full-stack web development course

- Rigorous 1000-hour web development course with <3% acceptance rate
- Topics include: Rails, JavaScript React, TDD, scalability, algorithms, OOP, coding style, single-page apps, and web development best practices.

Clemson University • BS • Electrical Engineering • Merit Scholar • 2012

- **Curriculum Highlights:** Circuit Theory & Design, Systems Programming, Electronics, Assembly Microcontroller Project, Electromagnetics

Experience

Fives DyAG • Jan 2014 - February 2015

Robotics Engineer

- Provided effective and fast production support for automated manufacturing lines in high intensity environments, decreasing cycle time
- Programmed robots in proprietary languages and increased path speed/accuracy in material handling applications

Skills

- JavaScript
- Ruby on Rails
- React.js
- CSS
- Redux
- SQL
- Git
- HTML
- Swift
- jQuery
- C
- Firebase
- Visual Basic

