

DANIEL CHOI

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SKILLS

Ruby Rails	React Redux	JavaScript PhotoShop	HTML5 CSS3	SQL jQuery	Git RSpec	CompTIA A+ MATLAB	Java R
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PROJECTS

CitySounds · Rails · React · Redux

[Live](#) · [GitHub](#)

Full-stack web application for listening to ambient city soundscapes while studying.

- Renders a custom CSS-styled react-audio-player skin to display album artwork, switch between tracks, and play audio stored on Amazon S3 via the Paperclip gem.
- Dynamically renders modular React components for editing user info fields and managing multiple track uploads within albums on an individual basis.
- Enforces SQL database integrity and prevents orphaned sounds by uploading collections of artwork and audio files through atomic ActiveRecord transactions.

Atari Tempest Lite · JavaScript · Canvas

[Live](#) · [GitHub](#)

Retro browser game inspired by Tempest, the 1981 arcade game by Atari.

- Translates and rotates vectors on the fly to render three-dimensional surfaces.
- Detects mouse movement between polygons; contiguously moves the blaster's position toward the hovered polygon via the shorter path along a closed loop.
- Gradually increases difficulty by varying enemy attributes on a logarithmic scale.

SneakySQL · Ruby · SQLite3

[GitHub](#)

Object-relational mapping tool for translating SQLite3 entries to Ruby objects.

- Utilizes the SQLite and ActiveSupport gems to allow object-oriented SQL actions.

EDUCATION

App Academy

New York, NY

Rigorous full-stack web development bootcamp with 3% acceptance rate

Feb 2017 – May 2017

Cornell University, College of Arts and Sciences

Ithaca, NY

B.A. in Biological Sciences; Concentration in Computational Biology

Aug 2010 – May 2014

- Cumulative GPA: 3.771

Relevant Coursework

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|---|------------------------------------|
| ▪ Intro to Computing Using MATLAB | ▪ Discrete Structures |
| ▪ Object-Oriented Programming & Data Structures | ▪ Linear Algebra with Applications |

WORK HISTORY

Simply Vietnamese

Tenafly, NJ

Front of House Staff

Dec 2016 – Feb 2017

- Greeted guests, operated POS terminal, and provided friendly customer service at a restaurant voted Best of Bergen for the past six years.

NYU Langone Medical Center

New York, NY

Research Assistant

Oct 2014 – Aug 2016

- Developed, executed, and transcribed animal surgery & calcium imaging protocols; abstract accepted for [WIP 2016](#) conference & pending publication.
- Wrote Excel VBA and AutoHotkey scripts to automate over half of data analysis process, saving my colleagues hours of busywork; acknowledged in [Mol. Pain.](#)
- Standardized ADNI clinical data for statistical analysis; pending publication.