

GRANT PHELPS

FULL-STACK DEVELOPER

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[Website](#) • [GitHub](#) • [LinkedIn](#)

EDUCATION

Yale University

BS Engineering Science
Mechanical, with honors

New Haven, CT

2009–2013

GPA 3.8

Programming Coursework

Mechatronics C, Microcontrollers
Computer Aided Engineering MATLAB, SolidWorks
Programming for Engineers C++, Fortran 77
Intermediate Programming Scheme (LISP)

Senior Capstone

Built an electric stair-climbing dolly with a max load of 50lbs. Selected motor, sprockets, and chain; designed mounting plate in SolidWorks.

Senior Project

Force simulations on designer particles with negative Poisson ratios using SolidWorks and MATLAB.

App Academy

1,000-hour full-stack web development course with <3% acceptance rate.

New York, NY 2018

J. Edward Meeker Prize

Annual Yale award for best English essay.

PROJECTS & SKILLS

React | Redux | JavaScript | HTML/CSS | Ruby on Rails | SQL | JQuery | Git

noteWorthy Rails / React / AWS

Personal planner and time management app inspired by Evernote

- RESTful design with CRUD resources
- Provides rich-text editing with Quill.js library
- Stores image uploads remotely with AWS S3
- Easy-to-learn UX with intuitive animation

Dramamine-3D JavaScript / ThreeJS

High-altitude hoop-jumper named for the pill you'll want afterward

- Topics include collision detection, linear algebra, 3D physics, torque-based controls, first-person world perspective, endless runner techniques

SIMUL8 JavaScript / Canvas

Aesthetic, ever-changing simulation of noisy vector fields

- Topics include Perlin noise meshes, bilinear interpolation, coordinate translation, high particle count performance optimization

Console Chess Ruby

Nostalgic rendition of the age-old classic

- UTF-8 chess characters, Colorize plugin, and keypad controls create crisp UI with retro display

EXPERIENCE

Gartner | Editor at L2 | New York, NY | 2017–2018

- Lead editor for all levels of L2 organization (7 teams, 30+ researchers)
- Edited 100+ pages of research per month for statistical accuracy and clarity
- Hosted writing workshops for junior researchers
- Developed and maintained company-wide style guide

W. W. Norton & Company | Editorial Assistant, Music | New York, NY | 2015–2016

- Principal editor for textbook ancillaries and managing editor of music blog
- Recruited professors for peer reviews and managed editorial interns
- Wrote flap copy, editorial pitches, and press releases
- Projects include first editions of: **Help!** (Thomas Brothers), **Playing for Their Lives** (Booth & Tunstall), **Beethoven's Symphonies** (Lewis Lockwood)