

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER

View the Space, Inc.; New York, NY

August 2018–Present

View the Space (VTS) is the number one leasing and asset management platform for commercial real estate. Working on building an ETL pipeline for MarketView, which provides market analytics for comparative buildings.

SENIOR SOFTWARE ENGINEER

Case Commons, Inc. (later Casebook PBC); New York, NY

June 2012–August 2018

Case Commons is a non-profit developing software for the child services industry. The product went live July 2012. Worked on all aspects: front-end, back-end, sys/ops. Focus on improving the development experience for other engineers. Highlights:

- 2013–2014: Lead developer of analytics ETL and visualization application.
- 2015–2016: Advocated & led transition to modern front-end JavaScript (ES6, React).
- 2017: Spearheaded and executed internal IT overhaul and documentation.
- 2017–2018: Core developer of transition from monolith to microservices.
- 2018: Advocated for and led transition of front-end development to TypeScript.

DEVELOPER INTERN

Case Commons, Inc.; New York, NY

May–August 2011, January 2012

Full-time intern during summer/winter break. Hired after university (see above).

LEAD SOFTWARE ENGINEER

Fox Lane High School Wellness Day Committee; Bedford, NY

2007–2015

Created an online registration, scheduling, and administrative system for a day of workshops for the school's 1,300 students. Managed the project while coordinating with the ever-changing needs of the committee over several years. Project underwent a rewrite from PHP to Ruby-on-Rails. Setup and maintained the site's server infrastructure.

EDUCATION

B.S., COMPUTER SCIENCE

Binghamton University, Thomas J. Watson School of Engineering & Applied Science Aug. '08–May '12

One-hundred and forty credits. In-major grade point average of 3.7.

SKILLS

*Underline: high proficiency
Italic: actively experimenting*

PROGRAMMING/MARKUP LANGUAGES

Bash, C/C++, CSS, Clojure, Haskell, HTML, Java, JavaScript (ES6+), LaTeX, Python (with Mypy), Racket, Ruby, Rust, SCSS/Sass, SQL, TypeScript

FRAMEWORKS, LIBRARIES, TOOLS, & TECHNOLOGIES

Amazon Web Services, Chef, Docker, Express, FreeBSD, Git, jQuery, Linux, macOS, Networking (DHCP, DNS, TCP/IP, VLAN), Nginx, Node.js, OpenAPI, PostgreSQL, React, Redux, Ruby-on-Rails, VMware, Web Accessibility, Webpack, Windows

DEVELOPMENT PRACTICES

Agile Development, Continuous Integration & Deployment, Extreme Programming, Pair Programming, Test-Driven Development

CONTRIBUTIONS

STACK OVERFLOW

<https://stackoverflow.com/users/211563>

Ranked in the top 0.22% of users. Reached an estimated 3.8 million people through contributions. Holder of Ruby & Ruby-on-Rails “Gold” badges.

OPEN SOURCE

<https://github.com/amarshall>

CanCanCan, Cucumber Rails, Homebrew, PgSearch, Rack, RSpec, Ruby Spec, Ruby-on-Rails, rbenv, vim-ruby, with_model, and more

