

WORK EXPERIENCE

STAFF SOFTWARE ENGINEER

August 2021–Present

SENIOR SOFTWARE ENGINEER

August 2018–August 2021

View the Space, Inc.; New York, NY

View the Space (VTS) is the number one leasing and asset management platform for commercial real estate. Working primarily on the data team building products which provides analytics for individual accounts and across markets. Highlights:

- Built ETL infrastructure which underpins the data products
- Introduced Mypy static typing and trained team on its use
- Merged infrastructure for two separate data products, reducing overall complexity
- Automated setup of development environment and transitioned to utilize Docker
- Substantially revamped CI pipeline, improving runtime and maintainability

SENIOR SOFTWARE ENGINEER

2015–August 2018

SOFTWARE ENGINEER

June 2012–2015

DEVELOPER INTERN

May–August 2011, January 2012

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

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, and 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.

LEAD SOFTWARE ENGINEER

2007–2015

Fox Lane High School Wellness Day Committee; Bedford, NY

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

August 2008–May 2012

Binghamton University, Thomas J. Watson School of Engineering & Applied Science

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

FRAMEWORKS, LIBRARIES, TOOLS, & TECHNOLOGIES

Amazon Web Services, Ansible, Docker, FreeBSD, Git, jQuery, Linux, macOS, Networking (DHCP, DNS, TCP/IP, VLAN), Nginx, Node.js, OpenAPI, OpenBSD, 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 0.18% of users. Reached an estimated 5.2 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

