

# VINEETH SOMANCHI

## Software Developer

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## EXPERIENCE

### Hacker in Residence @ App Academy

July 2019 - Present

- Organized full stack curriculum and provided instruction to rising developers

### Data Science/Full Stack Engineer @ Fuse Inventory, Inc.

May 2018 - March 2019

- Optimized our client's marketing strategies using a Python-based tool named pandas to perform statistical analysis and predictive analytics on inventory sales data
- Automated the process of converting CSV file data to Series/DataFrame resulting in a 10% decrease in workflow time
- Performed data visualization and compiled sales analyses into weekly reports (d3.js, Chart.js, three.js)

### Full Stack Developer @ FoSho, LLC.

April 2017 - September 2017

- Led the backend design and development for an automated social/event planner web application
- Refactored database schema to account for user scalability, upgraded our RESTful API endpoints in order to reduce overhead, and delivered data to our frontend team via Ajax requests (Node.js/Express, MySQL, Axios)

### Technical Project Manager @ Tier 1 Event Management, Co.

May 2016 - September 2016

- Worked with product owner and oversaw three interns to develop a AdTech platform
- Organized test-driven-development, sprint planning, daily standups, code reviews, and release planning (Scrum, TDD)

## PROJECTS

### VinFlix

[Live](#) | [GitHub](#)

- Developed a single-page, pixel perfect recreation of Netflix.com in 2 weeks
- Backend uses PostgreSQL, Ruby on Rails's MVC framework, and JBuilder to deliver data to the frontend in JSON format
- Frontend uses React for structure, Redux for state management, and thunk middleware to curry high-order function calls
- Supports user authentication via session cookies, custom routes, and asynchronous event management
- Uses AWS S3 for object storage and Heroku for hosting

### Donald's Day Off

[GitHub](#)

- Animated an interactive game using Vanilla JS, HTML Canvas, and a custom physics engine to simulate a slingshot mechanism
- Dynamically manipulates DOM with event handlers and sprite animation

### React Tetris

[GitHub](#)

- Manipulated JavaScript ES6's big arrow functions, complex closures/callbacks, and React 16.8's hooks to build Tetris

### Media Support Inventory Manager (MSIM)

[GitHub](#)

- Developed an inventory management solution for equipment tracking and debugging using Node.js, MySQL, AntD
- Supports single-sign-on (SSO) via NYU emails using Google's G Suite

## TOOLS

**Languages:** JavaScript (ES6), Python, Ruby, SQL, HTML5, CSS3, Matlab, C++, Java, PHP

**Frameworks:** Rails, Django, .NET, Flask, Node.js, Drupal

**Libraries:** React, Redux, Vue, Angular, jQuery, D3, pandas

**Tools:** Bash, Git, AWS, Heroku, Docker, Chrome DevTools, Ajax, Webpack, RSpec, Bable

## EDUCATION

### New York University Tandon School of Engineering

- B.S. Computer Science (Spring 2019)
- 3.65 GPA

### App Academy

- Full Stack Coding Bootcamping
- 1000 total hours of work with less than 3% acceptance