Hunter Manel

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Passionate learner who completed their undergraduate physics degree in 3 years excited to apply their computational and analytical skills as a software engineer

PROGRAMMING SKILLS
React, JavaScript ES6, TypeScript, Ruby, Python, Redux, Ruby on Rails, CSS3, HTML5, Git, Max/MSP, Postgres, SQL

COMPUTATIONAL SKILLS
Data Structures & Algorithms, Applied Mathematics, Calculus III, General Relativistic Modeling, Fourier Analysis

EDUCATION
App Academy | *2019-2020* | *New York, New York*
- *Intensive programming boot camp, with < 3% acceptance rate and 1100+ hours of experience in software programming, focused on fullstack web development using multiple languages and frameworks including JavaScript, React/Redux, Ruby on Rails, etc.*

Bard College | *BA Physics, 2015-2018* | *Annandale-on-Hudson, New York*
- *Completed an undergraduate degree in 3 years, participated in Gravitational Microlensing research and wrote a senior thesis entitled, 'A Technical Analysis and Exploration of Guitar Pickups,' accruing 2200+ downloads.*

PROFESSIONAL EXPERIENCE
Stealth Startup   April 2022 - Present
Test Engineer (JavaScript, Cypress, Percy, React Native)
- Write comprehensive integration tests in Cypress in order to diagnose and identify bugs in the development codebase.
- Implement Percy screen capture based tests into Cypress to analyze UI/UX related issues.

The Giving Grape   Oct 2020 - February 2022
Software Engineer (React/Redux, Ruby on Rails, Stripe, HTML5, CSS3)
- Implemented Stripe API that processed 1000's of user donations, allocating more than $45,000 to families in need.
- Designed and built new web pages with functional React components to display information pertaining to individuals adversely affected by Covid-19.
- Added functionality to Rails Admin console, allowing non-tech team directors to easily access statistics and analytical data relating to donors and donees.
- Interviewed new engineers and instilled Git workflow best practices.
- Maintained production codebase and analyzed Heroku logs for critical errors.

Mathnasium Forest Hills   Aug 2018 - June 2019
Head Instructor
- Developed teaching techniques and learning plans for high school students and students with IEPs (Individualized Education Program).
- Managed the center, taking on the responsibility of teaching new employees, grading new hires' entrance exams, exercising well-developed communication skills with parents, while instructing.

PROJECTS
COHORT B (React, TypeScript, HTML5, CSS3, MaterialUI)   **live | github**
Robust linktree alternative for the band Cohort B
- Architected a multimedia React app from scratch with a custom modal system.
- Mobile styling takes advantage of a combination of CSS media queries and Material UI components.

Splat (React/Redux, Express, Node.js, HTML5, CSS3, MongoDB)   **live | github**
Interactive single page audio sampler and sequencer
- Implemented Tone.js in order to play multiple audio samples simultaneously, control tempo and swing, and preload audio samples.
- Developed React components that enable users to manipulate and interact with the app in real time.