Cole Rener *software engineer*

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Projects

Transparency for Good:
> Volunteer work designing the website for a group of National Singapore University students who are analyzing the financial sustainability of a few small charities.

DataCollective:
> A full stack citizen science platform where users can create projects, contribute data, and share results via a built-in data visualization feature. Built using React and the Django REST Framework.

Feedback Loop:
> A social media clone geared towards software engineering students where users can share code snippets and ask questions related to coding. Full CRUD functionality for posts and comments. Built using the MERN stack.

PaperTrail:
> Front end application that utilizes two APIs to inform users on who funded their representatives' campaigns. Wrote an algorithm to get running totals amounts of dollars spent and advertisements bought. Built using React.

Education

Texas State University
B.S. in Biology
cum laude
- Completed an undergraduate thesis, *2017*
- Honors College Scholarship recipient, *2015*
- Tutored fellow students in math, chemistry, and biology, *'14 - '17*

Skills

- React
- Django
- Python
- MongoDB
- Mongoose
- Express
- PostgreSQL
- API Design
- API integration
- Relational Databases
- Non-relational databases

Experience

Fellow @ General Assembly

July - October 2021
> Completed a software engineering immersive course that involved 450+ hours of instruction and practice. Studied modern frameworks, full stack applications, and Agile software development life cycle.

Assistant @ Appalachian Joinery

October 2020 - July 2021
> Part time work assisting a fine woodworker while I taught myself the fundamentals of software engineering.

Production Team Lead @ Fallen Oak Mycology

May 2019 - March 2020
> Formulated production schedules for this start-up, gourmet mushroom farm. Core member of a 3-person team. Discussed possibility of automating certain processes using digital software, started me on the path towards software engineering. Paused operations due to COVID, and then relocated to North Carolina.

Grower @ Kitchen Pride Mushroom Farm

January 2019 - May 2019
> Designed and conducted an experiment on the feasibility of transforming their conventional growing system to an organic one. Completed and presented a report on my findings. I also experimented with unconventional substrates for oyster mushroom production. I left here to pursue a start-up opportunity with Fallen Oak Mycology.