Matt Roth

Fullstack Web Developer | mattroth.dev@gmail.com | www.mattroth.dev | (747) 333-6262 | Los Angeles, CA
github.com/RattMoth | gitlab.com/RattMoth | linkedin.com/in/matt-tyler-roth

TECHNICAL SKILLS
- **Programming Languages**: JavaScript ES6+, Python 3, HTML, CSS, SQL
- **Front End**: React, Django Templates, Jinja, Websockets, Bootstrap
- **Back End:** Django 4, FastAPI, RabbitMQ, PostgreSQL, GraphQL, MongoDB, Docker
- **System Design**: Monoliths, Microservices, Domain-Driven Design

APPLICATION DEVELOPMENT EXPERIENCE
Lyra | Software Engineer **|** gitlab.com/terminal-tyrants/band-managing-app   2022
Live song request application that allows a band to make their song repertoire visible to audience members, who can then submit a live request for that song
- Used Docker, Django, PostgreSQL, and Heroku to create a microservice architecture that accurately showcased the MVP for this product and laid the groundwork for future horizontal and vertical scaling
- Leveraged JWTs to handle authorization and authentication across microservices
- Utilized React hooks and functional components

CarCar | Fullstack Web Developer **|** gitlab.com/RattMoth/project-beta   2022
Single Page Application for a Mock Car Dealership
- Utilized Django to create backend endpoints for a PostgreSQL database
- Implemented RESTful microservices to balance server load via Dockerized containers
- Styled React frontend with Bootstrap

Interactive Avatar Generator | Fullstack Web Developer   2019
Tool designed to give students the option to create and set an avatar as their profile picture
- Utilized React/Typescript, Django, and an SVG asset library (Avataaars) to create an avatar generator
- Stored SVG data directly in the database as the avatars were made of simple shapes and the resulting URI length was well within our database size constraints

Vocabulary Database/Study Tool | Fullstack Web Developer   2020
Database and frontend tool used to study common ACT/SAT/MCAT words
- Designed the database so a single word could have associations with all relevant tests, as well as any teacher-created study guides
- Designed the UI so that non-technical employees would not need to understand the database relations working behind the scenes. The user can manage a word by adding additional "categories"

PROFESSIONAL EXPERIENCE
Galvanize Inc. | *Software Engineering Immersive Resident* | Remote   2021 - Present
- Assisted Hack Reactor instructors in teaching the bootcamp curriculum
- Provided code support, debugging assistance, and code review for 60+ bootcamp students

Acclaim Academic Institute | *Fullstack Web Developer* | La Palma, CA / Remote   2019 - 2021
- Worked with TypeScript/React and Django to build a vocabulary database and study tool, an interactive avatar builder for student accounts, and a homework status monitor
- Improved an existing interactive, shared Python IDE by hiding long load times behind moments of user inactivity, which was made possible by a "talking stick" mechanic

Ilinx Studios| *Web Developer Intern* | Hollywood, CA   2019
- Worked on a 5 person dev team to develop the MVP for an educational stock trading game
- Participated in design discussions regarding user login behavior, and helped implement the design decisions with Flask and Jinja templates
- Helped configure a polling service that retrieved and stored real-time stock prices

EDUCATION
Hack Reactor | Remote | *Software Engineering Immersive Certificate 1000+ Hours of Coding*   2022
University of California Santa Barbara | Goleta, CA | *B.A Biological Anthropology*   2018
Pasadena City College | Pasadena, CA | *A.A. Anthropology, A.A. Italian*   2016