

Matthew Young

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SUMMARY

Full-stack software engineer intern with experience coding in Python, JavaScript, and Java building back-end systems in Node.js, Django, databases such as PostgreSQL, MongoDB, as well as user interfaces on the web with React.js and mobile app interfaces with React Native.

SKILLS

Technical Skills: JavaScript, Python, Django, Fast API, Docker, React.js, React Native Node.js, Express.js, PostgreSQL, MongoDB, HTML, CSS, Git, Gitlab, Heroku

Industry Knowledge: Agile Methodologies, Software Engineering, Algorithms, Unit Testing, Object-Oriented Programming, Data Analysis, Data Science

Interpersonal Skills: Teamwork, Communication, Problem solving, Adaptability, Quick Learning, Leadership

EXPERIENCE

Software Engineer Intern

Networky.ai

October 2023 – Present, Palo Alto, CA

- Engineered a highly responsive and user-friendly mobile site, optimizing it for on-the-go networking to enhance user experience.
- Documented the development process, architecture, code structure, and deployment procedures, for future reference and knowledge sharing.
- Generated AI Chatbot training data transcribing video speech to text, web crawling, and cleaning datasets to be optimizing as training data set.
- Proactively identified and communicated bug test reports, contributing to the overall improvement of the application's reliability and performance.

Founding Engineer

Forge Fitness

September 2023 – Present, San Francisco

- Leading a small team designing and developing a mobile-first Fitness accountability app helping people reach their fitness goals.
- Conducted competitive analysis of market leading alternatives to drive feature selection and product differentiation.
- Implemented dynamic mobile UI to improve user signup flow using React Native.
- Designed data model architecture for a MongoDB database for improved API response times up to 100ms.
- Implemented a RESTful API using Node.js to extract and update data in a MongoDB database.

Autonomous Vehicle Test Specialist

Cruise

July 2021 – July 2022, San Francisco, CA

- Increased drivable testing zones by 50% through lane and route mapping techniques.
- Pinpointed and communicated problematic drive behavior data with engineers to reduce driving error frequency by 30%.
- Trained fleet operators introducing new techniques for vehicle testing which increased driverless mileage accumulation by 100%.

PROJECTS

Paper Stonks

Hackreactor • <https://gitlab.com/apex-legends1/paper-stonks> • October 2022 – December 2022

- Developed a web-based mock stock trading application simulating investment portfolios and stock trading using real-time stock price data.
- Orchestrated the creation of a highly scalable and secure REST API powered by Fast API to facilitate seamless data access.
- Crafted engaging and interactive user interfaces using React.js, integrated with real-time stock data visualization through Chart.js.
- Spearheaded the implementation of Docker-based microservice architectures for efficient deployment and scalability.
- Developed GitLab CI/CD automation pipeline while leading a 5-member team to meet project goals.

Car Car

Hackreactor • <https://gitlab.com/matthewyoung777/project-beta> • September 2022 – October 2022

- Engineered a web app streamlining interactions between a dealership and its clientele, inventory tracking, vehicle sales, service appointments.
- Crafted a dynamic and user-friendly front-end UI with React.js, focusing on the appointment microservice for enhanced user engagement.
- Implemented a robust RESTful API for seamless data access within the appointment microservice with Django.
- Held Scrum of scrums for discussing daily progress and sprint goals amongst the team, collaborating with Git version control.
- Designed and executed a scalable data model and microservices structure, with Django and Docker for performance and deployment efficiency.

EDUCATION

Software Engineering

Hack Reactor • San Francisco, CA • November 2022

Bachelor of Arts – BA, Economics

University of Washington • Seattle, WA • 2019

- Dean's List recognition for 7 quarters
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