# Matthew Young

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## SUMMARY

Full-stack software engineer with experience in Python, JavaScript, and Java. Skilled in back-end development using Node.js, Django, Fast API, and PostgreSQL, as well as front-end development with React.js. Experienced in system design using Docker and microservices.

## SKILLS

**Technical Skills:** JavaScript, Python, Java, Django, Fast API, Docker, React.js, Node.js, SQL, PostgreSQL, 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

### Back-end Software Engineer
**Fithub**                                                                 September 2023 - Present, San Francisco Bay Area, CA
· Conducted competitive analysis of market leading alternatives to drive feature selection and product differentiation.
· 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.

### Software Engineer Intern
**Networky.ai**                                                                    October 2023- Present, Palo Alto, CA
· Ensured quality of the training data set for Machine Learning models, by reducing the amount of missing data from 50% to 20% for the training set.
· Built pipeline integrating transactional text message notifications for e-commerce platform to increase user feedback by 40%.
· Developed a backend API integrating CrunchBase API to populate training data and drive recommendation algorithm.

### 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

## CERTIFICATIONS

### SQL for Data Science
Coursera · 2019