

# 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.

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## 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

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## EXPERIENCE

### 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%.

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## PROJECTS

### FitHub

September 2023 - Present

- 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.
- 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.

### 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.

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## 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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## CERTIFICATIONS

### SQL for Data Science

Coursera • 2019