

# Matthew Young

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## SUMMARY

Dynamic Full-Stack Software Engineer Intern skilled in building robust back-end systems with Node.js and Django, managing PostgreSQL and MongoDB, and creating intuitive web and mobile interfaces with React.js and React Native. Proficient in Python, JavaScript, data visualization dashboards, and machine learning solutions like RAG pipelines.

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## EXPERIENCE

### Software Engineer Intern

MiniMe Ai

April 2024 - Present, Palo Alto, CA

- Developed a Retrieval-Augmented Generation (RAG) system to enhance product functionality by integrating LLMs with custom knowledge bases.
- Automated data preprocessing for an AI chatbot by building a pipeline for crawling, cleaning, and transcription, boosting RAG data quality.
- Improved development efficiency by 50% through modular Python packages, enhancing reusability and streamlining workflows.

### Software Engineer Intern

Networky.ai

October 2023 - April 2024, Palo Alto, CA

- Engineered a highly responsive and intuitive mobile site tailored for seamless networking on the go, resulting in a 20% increase in contact growth.
- Developed a bespoke product metrics dashboard utilizing SQL querying, delivering actionable marketing insights and driving user acquisition up 15%.
- Thoroughly documented the development lifecycle, architectural nuances, code structure, and deployment protocols to facilitate future reference and foster knowledge sharing among team members.

### Autonomous Vehicle Test Specialist

Cruise

November 2019 - June 2022, San Francisco

- Increased drivable testing zones by 50% through lane and route mapping techniques.
- Pinpointed and communicated problematic drive behavior data with engineers reducing errors by 30%.
- Trained fleet operators and implemented new testing techniques, doubling driverless mileage.
- Led a team of testers to execute comprehensive vehicle testing, ensuring adherence to safety protocols and test objectives.

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## PROJECTS

### Forge Fitness (Mobile App)

[gitlab.com/forge-fitness](https://gitlab.com/forge-fitness) • September 2023 - Present

- Leading a small team designing and developing a mobile-first Fitness accountability app helping people reach their fitness goals.
- Designed data model architecture for a MongoDB database for improved API response times up to 100ms.
- Integrated a RESTful API using Node.js with a React Native front end to ensure proper data flow and delivery.
- Performed in-depth competitive analysis of market-leading alternatives to drive feature selection and product differentiation.

### Paper Stonks

Hackreactor • [gitlab.com/apex-legends1/paper-stonks](https://gitlab.com/apex-legends1/paper-stonks) • October 2022 - December 2022

- Developed a mock stock trading app with real-time portfolio simulations.
- Created a scalable REST API using FastAPI and Docker-based microservices.
- Led a 5-member team with GitLab CI/CD for efficient development.

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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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## SKILLS

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

Industry Knowledge: Data structures, Algorithms, Unit Testing, Object-Oriented Programming, Data Analysis, Data Science, OpenAI, Retrieval-Augmented Generation (RAG) systems

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