

Joe Malatesta

✉ joemmalatesta@gmail.com ☎ (248) 326-4351
🌐 joemmalatesta.com 🔄 joemmalatesta 📄 joemmalatesta

Education

Oakland University Bachelor of Science, Computer Science

Aug 2020 - Dec 2024

Experience

Software Engineer Intern Kunz, Leigh and Associates (Remote)

Sep 2024 - Present

- Saved **3 hours per week** in admin tasks by automating database configuration and password reset using **.NET, MS SQL, and Angular**
- Reduced Pull Request review comments and time by **25%** by implementing a **CI step** with Prettier to enforce consistent formatting
- Boosted **agile** team sprint efficiency by **15%** by instituting new AI resources, enabling R&D to meet tight State Government deadlines

Developer Relations Intern Sentry (San Francisco, CA)

May 2024 - Aug 2024

- Drove adoption of SDK's feedback widget to **1,300 organization** and **30,000+ uses** YTD by simplifying user interactions with **React**
- Attracted **500+ users** by deploying **SvelteKit** and **Next.js** demo apps, supporting technical content creation with data-driven insights
- Reduced blog bounce rates by **13%** by publishing in depth articles on **observability data** analysis, improving audience engagement

Software Engineer Intern Mercedes-Benz Financial (Farmington Hills, MI)

May 2023 - Aug 2023

- Streamlined knowledge transfer across **2,000 employees** by building UI for an AI assistant with **Angular** and **Spring Boot**
- Improved batch job speeds by **800%** by refactoring tasks with **REST APIs** in Java Spring Boot, ensuring accurate customer records

Software Engineer Intern Alps Alpine (Auburn Hills, MI)

Oct 2022 - Apr 2023

- Enabled greenfield **IoT application** testing by developing **iOS apps** using **Swift** and **Python** to collect, process, and visualize data
- **Doubled development efficiency** by working with Embedded Engineers to define **SDLC** requirements and align deliverables

Leadership

President / Director GrizzHacks

Aug 2023 - Dec 2024

- Directed the reboot of Oakland University's yearly Hackathon, **overseeing all operations** across a 12 person, **cross functional** team
- Led sponsorship and outreach efforts to secure **\$25,000 and 150 participants** across 16 universities, a **30% increase** from prior years
- Automated signup flows with **JavaScript** in Google Sheets' App Scripts and developed **grizzhacks.org** using **SvelteKit** and **Tailwind**

Projects

Ground Truth (Devpost)

Winner at UC Berkeley Hackathon

- Architected a **RAG pipeline** using **ChromaDB** to retrieve, process, and automatically update relevant docs based on Github commits
- Engineered a full-stack **Python** application using **Reflex.dev**, integrating GitHub **webhooks** to automatically trigger updates
- Optimized the use of several LLM's, leveraging **LLaMA3-8b** on **Groq** for fast inference, and **GPT-4o** for large context queries

Groopie (Live site)

100 Daily Active Users

- Validated inputs and engineered prompts in a **full stack** SvelteKit app to accurately evaluate **1000's of submissions** via zero-shot LLMs
- Cut inference costs by **80%**, leveraging data to help effectively partition the use of different language models with **TypeScript**
- Achieved **99.9% uptime** by implementing a **CI/CD pipeline** via Github Actions to ensure consistent code and successful deployments

Scanbite (Devpost)

First Place at University of Michigan Hackathon

- Led the development of a full stack **SvelteKit** and **Tailwind** app that generates nutritional breakdowns from images of meals
- Integrated **Computer Vision** libraries, **LLM's** and **PWA functionality**, authoring a comprehensive guide for **SvelteKit PWA development**
- Won **first place** in my first hackathon with a clear, interactive demo, **articulating complex concepts**, and actively engaging judges

Skills

Languages: TypeScript, Python, SQL, NoSQL, C#, JavaScript, HTML/CSS, Java, Swift, PHP, Ruby

Libraries: NextJS, React, Angular, SvelteKit, Spring Boot, ExpressJS, .NET, Selenium, Playwright, Tailwind, OpenCV, Transformers

Developer Tools: Docker, Kubernetes, AWS, GCP, Sentry, Nginx, Postman, Linux, Git, Figma, Jira, Twilio, Supabase, Agile, Scrum