

CADY MERKLE

I'm an aspiring software engineer with a background in robotics assembly, AI prompt engineering, and quality assurance.

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- 🌐 <https://cmerkle1.github.io/MyCV/index.html>

WORK EXPERIENCE

06-2024 - Present

Outlier AI - Remote

Prompt Engineer

- Designed, tested, and optimized advanced prompt strategies for large language models (LLMs) and multi-modal AI systems.
- Developed high-quality visual, musical, and complex subject matter prompts to produce consistent, on-brand generative outputs.
- Collaborated with clients including Meta and Google Gemini to refine prompt frameworks for diverse creative and technical use cases.

10-2023 - 05-2024

Roca Robotics(eBay) - Longmont, Colorado

Software Quality Analyst

- Assisted with development and maintenance of production code.
- Tested software updates for automated card-sorting robots.
- Collaborated closely with the computer vision and software engineering teams to identify, track, and resolve issues.
- Collected and analyzed data related to computer vision models to support improvements in detection accuracy and system reliability.
- Participated in weekly agile sprints.

03-2022 - 10-2023

Roca Robotics - Longmont, Colorado

Robotics Technician, Quality Assurance

- Assembled complex automated card-sorting robots.
- Transitioned into a newly created hardware QA role and developed the entire quality assurance program from the ground up.
- Created detailed hardware inspection checklists and standard procedures, streamlining the quality process and ensuring consistent testing standards.
- Dramatically reduced hardware errors discovered at customer sites through proactive in-house QA practices.
- Identified process improvements that cut final testing time, resulting in faster delivery and increased customer satisfaction.
- Collaborated with engineering and production teams to resolve recurring hardware issues and implement preventive measures.

EDUCATION

2025

JOHN'S HOPKINS

UNIVERSITY

- Software Engineering Bootcamp

2011

COLLEGE OF SOUTHERN

MARYLAND

- Criminal Science
- 4.0

TECHNICAL SKILLS

- Python programming for production systems
- Technical documentation & process improvement
- Software testing using Postman for APIs
- SQL queries
- Full-stack customized web development using Django
- Exposure to computer vision principals, experience using OpenCV
- Familiarity with Linux systems for robotics hardware testing
- Data analysis and tracking