

Raymond Pham

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SUMMARY

Aspiring computer scientist specializing in building production-ready AI systems with hands-on experience from academic projects. Demonstrates proficiency in Python and APIs, as well as a solid understanding of large language models (LLMs). Familiar with RAG architecture and capable of architecting end-to-end pipelines while collaborating on Agile teams. Successfully developed chatbots that enhance user engagement and streamline accessibility. Passionate about leveraging technology to deliver impactful solutions and excited to contribute to transformative projects that bridge AI with practical applications.

EDUCATION

Bachelor's Degree in Computer Science
Springfield University GPA: 3.8
Coursework: Data Structures, Algorithms, Machine Learning, Web Development

2027
Springfield, IL

TECHNICAL SKILLS

- Programming Languages:** Python, Java
- Frameworks:** FastAPI, Flask, React
- Cloud Platforms:** AWS OpenSearch, Lambda, S3
- Database Technologies:** Pinecone, ChromaDB, pgvector
- Development Methods:** Agile, Scrum, Kanban
- API Technologies:** REST APIs, GraphQL, SOAP
- Data Management:** Data Structuring, Preprocessing, Vector Storage
- Version Control:** Git, GitHub, SVN
- Documentation Tools:** Markdown, JIRA, Confluence
- Design Technologies:** Figma, Sketch, Photoshop

SKILLS

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|---------------------|---------------------|----------------------|-------------------------|
| • Python | • AWS | • Data Workflows | • User Experience |
| • FastAPI | • Agile Methodology | • Prompt Engineering | • Testing and Debugging |
| • React | • REST APIs | • APIs Integration | • Communication Skills |
| • LLM Orchestration | • RAG Architecture | • Vector Databases | • Collaboration |

EXPERIENCE

AI Development Intern
University Project

January 2026 - Present
Springfield, IL

Contributed to an academic project focusing on LLM integration and user Engagement through advanced AI capabilities. Collaborated with peers using a full-stack approach to enhance functional outcomes.

- Designed and implemented LLM-based chatbots for academic support, enhancing user engagement and accessibility.
- Developed RAG pipelines integrating vector databases, improving data retrieval efficiency and accuracy.
- Collaborated with peers to build a full-stack application using FastAPI and React, achieving a seamless user interface.
- Conducted extensive testing and debugging, resulting in significant response time reductions for AI interactions.
- Documented design processes and user guidelines, facilitating future development efforts.
- Presented project outcomes to faculty, receiving commendations for innovative solutions and technical clarity.

Machine Learning Research Assistant
Academic Research

June 2025 - December 2025
Springfield, IL

Assisted in rigorous academic research on optimizing AI model responses through prompt engineering. Gained valuable experience collaborating across disciplines and tracking project progress within Agile frameworks.

- Assisted in research on prompt engineering techniques for optimizing AI model responses, contributing to improved reliability in outputs.
- Developed Python scripts for data collection and preprocessing, streamlining the research process.
- Engaged in weekly Agile sprints facilitating progress tracking and collaborative problem-solving.
- Compiled research findings into comprehensive reports, enhancing visibility for academic presentations.
- Supported the integration of LLM APIs into research projects, gaining practical experience in API consumption.

- Participated in peer reviews, improving both technical skills and project execution.

AI Solutions Developer

March 2025

Hackathon Project

Remote

Joined an exciting hackathon event focused on developing an AI-driven solution that addresses specific user recommendations, demonstrating innovation and teamwork under pressure.

- Collaborated with a team to develop an AI-powered recommendation system, utilizing LLM models for personalized user experiences.
- Integrated REST APIs for real-time data interaction, ensuring enhanced system responsiveness and satisfaction.
- Conducted user testing sessions to gather feedback and iterated designs based on insights gained.
- Utilized AWS services for deployment, gaining experience in cloud-based functionality.
- Created a project presentation that won the 'Best Innovation' award at the hackathon.
- Documented all code and processes in a GitHub repository, showcasing skills to potential employers.

LEADERSHIP & AWARDS

- Dean's List - Springfield University, 2025
- Best Innovation Award - Springfield Hackathon, 2025

CERTIFICATIONS

- AWS Cloud Practitioner 📅 2026
- Python for Data Science 📅 2025

PROFESSIONAL AFFILIATIONS

- Member, Computer Science Club, 2024 - Present
- Participant, AI Research Group, 2024 - Present

LANGUAGES

- English (Native) • Vietnamese (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST