



Amina Cook

AI Software Engineering Intern

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SUMMARY

Driven computer science student eager to contribute to advanced AI software projects at Tech Innovations Inc. Equipped with hands-on experience gained through academic machine learning assignments and a solid foundation in programming languages like Python and C++. Actively engaged in optimizing performance for AI frameworks, including TensorFlow and PyTorch, demonstrating both technical prowess and a collaborative spirit. Committed to leveraging theoretical knowledge in practical applications, intending to support research efforts while growing professionally within this dynamic field.

EDUCATION

Bachelor of Science in Computer Science

University of Arizona 🎓 GPA: 3.8 📅 2026 📍 Tucson, AZ

Coursework: Data Structures, Machine Learning, Algebra, Software Engineering

TECHNICAL SKILLS

- **Programming Languages:** Python, C++
- **AI Frameworks:** TensorFlow, PyTorch, ONNX Runtime, OpenVINO
- **Machine Learning Techniques:** Regression, Classification, Clustering
- **Tools & Technologies:** Jupyter, Git, VS Code
- **Data Processing:** Pandas, NumPy, SciPy
- **Web Development:** HTML, CSS, JavaScript
- **Communication Tools:** Slack, Zoom, Microsoft Teams
- **Version Control Systems:** Git, Bitbucket, GitHub
- **Cloud Platforms:** AWS, Azure
- **Database Management:** MySQL, MongoDB

EXPERIENCE

AI Software Development Intern

University Project 📅 January 2026 - Present 📍 Tucson, AZ

As an AI Software Development Intern, actively involved in the design and development of cutting-edge applications focusing on computer vision and AI optimizations across various platforms. Responsibilities included model tuning, theory application in coding, and collaborating closely with peers to realize project goals.

- Contributed to the development of a computer vision application that identifies objects in images, utilizing TensorFlow and OpenVINO.
- Assisted in tuning machine learning models for improved accuracy, achieving a 15% increase in performance through iterative testing and validation.
- Collaborated with a team of peers in the creation of documentation and presentations for project findings, enhancing communication skills.
- Engaged in hands-on research to integrate hardware-software solutions, focusing on optimizing algorithms for real-time processing.
- Participated in weekly meetings to brainstorm solutions and troubleshoot challenges, fostering a collaborative team environment.
- Presented project outcomes at a university-sponsored tech showcase, receiving positive feedback from faculty and industry professionals.

Machine Learning Research Assistant

University Project 📅 August 2025 - December 2025 📍 Tucson, AZ

STRENGTHS

👥 Team Collaboration

Fostered teamwork by actively engaging in brainstorming sessions, which helped streamline project execution.

💡 Problem Solving

Faced challenges with creative thinking, leading to innovative solutions during the development phase of projects.

🔧 Technical Proficiency

Developed robust applications utilizing technologies like TensorFlow, showcasing strong programming skills in practical scenarios.

🔄 Adaptability

Adapted quickly to new tools and frameworks, enhancing delivery efficiency in AI projects.

💬 Effective Communication

Presented complex information clearly in both documents and visual formats, improving team clarity and engagement.

SKILLS

Python C++ TensorFlow PyTorch

ONNX Runtime OpenVINO

Machine Learning Data Analysis

Team Collaboration Deep Learning

Algorithm Design

Statistical Analysis

Model Optimization

Coding Standards Version Control

English Native

Spanish Intermediate

A donut chart with a light blue background and a white center. The center contains the text "10 MONTHS". The donut chart is divided into two segments: a larger light blue segment and a smaller white segment.

- AI Software Development Intern at University Project (6 Months)

- Machine Learning Research Assistant at University Project (4 Months)

- Supported a research project aimed at developing predictive models for analyzing large datasets, leveraging Python and Pandas for data manipulation.
- Conducted experiments using PyTorch for deep learning model training, contributing to the overall research objectives.
- Assisted in the analysis of results to assess model performance, documenting findings for future reference.
- Collaborated with faculty to refine research questions and methodologies, enhancing research outcomes.
- Engaged in peer review processes, providing constructive feedback to improve project quality.
- Contributed to writing academic papers for publication in relevant journals, gaining insights into academic publishing.

- Dean's List, University of Arizona (2025)
- Best Project Award, University Hackathon (2026)

- Introduction to Machine Learning 📅 2026
- Python for Everybody 📅 2026

- Member, AI Club, University of Arizona (2025 – Present)
- Volunteer, Local STEM Outreach Program (2025)

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

AVAILABLE ON REQUEST