

# Amina Cook

## AI Software Engineering Intern

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### 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

|                             |            |                      |                |
|-----------------------------|------------|----------------------|----------------|
| <u>Python</u>               | <u>C++</u> | <u>TensorFlow</u>    | <u>PyTorch</u> |
| <u>ONNX Runtime</u>         |            | <u>OpenVINO</u>      |                |
| <u>Machine Learning</u>     |            | <u>Data Analysis</u> |                |
| <u>Team Collaboration</u>   |            | <u>Deep Learning</u> |                |
| <u>Algorithm Design</u>     |            |                      |                |
| <u>Statistical Analysis</u> |            |                      |                |
| <u>Model Optimization</u>   |            |                      |                |
| <u>Research Methodology</u> |            |                      |                |
| Coding Standards            |            | Version Control      |                |

### 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

LANGUAGES

|         |              |
|---------|--------------|
| English | Native       |
| Spanish | Intermediate |

MY CAREER



- AI Software Development Intern at University Project (6 Months)
- Machine Learning Research Assistant at University Project (4 Months)

In the role of Machine Learning Research Assistant, contributed to innovative research projects centered on predictive modeling for vast datasets. Engaged in methodical experimentation and data analysis, yielding actionable insights and furthering academic achievements.

- 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.

LEADERSHIP & AWARDS

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

CERTIFICATIONS

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

PROFESSIONAL AFFILIATIONS

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

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST