

Andres Payne

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SUMMARY

Aspiring computer science student driven by passion for machine learning and AI technologies, ready to merge theoretical knowledge into real-world applications. Experience includes developing innovative AI-driven solutions, collaborating with various teams, and refining user experiences via emerging technologies. Eager to contribute to groundbreaking projects that promote human connection through AI while relying on a strong foundation built from academic pursuits, hands-on projects, and collective accomplishments.

EDUCATION

Bachelor's Degree in Computer Science
University of Colorado GPA: 3.8
Coursework: Data Structures, Machine Learning, AI Programming, Natural Language Processing

2027
Boulder, CO

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C++
- Machine Learning Frameworks:** TensorFlow, PyTorch, Scikit-learn
- Web Technologies:** HTML, CSS, JavaScript
- Cloud Platforms:** Google Cloud, AWS, Azure
- Version Control Systems:** Git, GitHub, Bitbucket
- Database Technologies:** MySQL, MongoDB, PostgreSQL
- Development Tools:** Visual Studio Code, Jupyter Notebook, Eclipse
- API Technologies:** REST, GraphQL, SOAP
- UX/UI Design:** Figma, Adobe XD, Sketch
- Collaboration Tools:** Slack, Trello, Zoom

SKILLS

- Machine Learning
 - AI Development
 - Python
 - TypeScript
- Natural Language Processing
 - Data Structures
 - Recommendation Systems
 - Voice Recognition
- User Experience Design
 - Agile Methodologies
 - Team Collaboration
 - Project Management
- Prototyping
 - API Integration
 - Software Testing

EXPERIENCE

Machine Learning Intern
University Project

January 2026 - Present
Remote

Focused on building AI-driven prototypes within a collaborative environment, enhancing relationships with peers and faculty alike. Tasks involve producing AI agents leveraging modern machine learning frameworks aimed at improving user experience through personalized content delivery.

- Developed an LLM-based AI agent to suggest content aligned with user interactions.
- Collaborated with classmates to create a voice input system, optimizing AI usability.
- Tested and refined several recommendation algorithms to boost content accuracy.
- Transformed raw user input into meaningful data, enhancing AI capabilities.
- Engaged in agile processes for feature development focusing on rapid feedback integration.
- Showcased results in front of faculty, earning applause for innovative methodology.

AI Systems Developer
University Project

September 2025 - December 2025
Remote

Contributed to an engaging capstone project involving a matching system that pairs users based on shared interests, promoting connectivity fueled by insightful AI interpretations. Responsible for direct coding efforts and systematic testing protocols for optimal performance outcomes.

- Created user interfaces integrating Python and TypeScript for enhanced AI interaction.
- Utilized vector databases for scalable data processing, ensuring reliability under stress.
- Participated in weekly sprint reviews to track project success and adjust workflows accordingly.
- Documented all stages of the development process leading to comprehensive project analysis.
- Obtained favorable user feedback highlighting matching system effectiveness.
- Iteratively evaluated improvements and features based on iterative feedback sessions.

AI Research Assistant

June 2025 - August 2025

Hackathon Project

Remote

Actively participated in a creative hackathon targeting AI solutions for social enhancement. Achieved accolades for prototype design and functionality, playing a pivotal part in a winning team delivering impactful AI systems.

- Engineered a prototype voice system dedicated to fostering connections among users.
- Conducted thorough qualitative studies to refine user interaction models and expectations.
- Incorporated speech-to-text features ensuring usability across diverse demographics.
- Designed compelling presentation materials effectively communicating technical aspects.
- Engaged with other teams for strategic alignment and optimized collaboration output.
- Recognized by event coordinators for creativity and team contribution during showcases.

LEADERSHIP & AWARDS

- Dean's List, University of Colorado, 2025
- 1st Place, University Hackathon, 2025

CERTIFICATIONS

- Google AI Certification 📅 2026
- Coursera Machine Learning Specialization 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, AI Club, University of Colorado
- Volunteer, Computer Science Outreach Program

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST