

Andres Ho

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SUMMARY

Aspiring Computer Science professional dedicated to developing impactful AI solutions. Currently pursuing a degree while actively engaging in academic projects focusing on Generative AI methodologies, including Retrieval-Augmented Generation and Large Language Models. Strong comprehension of data structures, algorithms, system design, and effective user collaboration, leading to successful project outcomes. Committed to honing technical documentation skills and integrating AI capabilities into meaningful applications. Passionate about financial technology and skilled at presenting complex concepts clearly, motivated by opportunities to learn from industry experts within dynamic teams.

EDUCATION

Bachelor's Degree in Computer Science
Portland State University GPA: 3.8
Coursework: Generative AI, Machine Learning, Data Structures, Algorithms

2026
Portland, OR

TECHNICAL SKILLS

- AI Frameworks:** TensorFlow, PyTorch, Scikit-learn
- Cloud Technologies:** Amazon Web Services, Google Cloud Platform, Microsoft Azure
- Programming Languages:** Python, JavaScript, R
- Version Control Systems:** Git, GitHub, Bitbucket
- Database Systems:** MySQL, MongoDB, PostgreSQL
- Documentation Tools:** Markdown, LaTeX, Confluence
- Agile Methodologies:** Scrum, Kanban, Lean
- CI/CD Tools:** Jenkins, CircleCI, Travis CI
- Testing Frameworks:** JUnit, Pytest, Mocha
- Deployment Platforms:** Docker, Kubernetes, Heroku

SKILLS

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|--------------------------------|-------------------|---------------------------|-------------------------|
| • Generative AI | • RAG | • Technical Documentation | • Team Collaboration |
| • Data Structures & Algorithms | • LLMs | • System Design | • Workflow Optimization |
| • Machine Learning | • Cloud Computing | • Communication Skills | • Project Management |
| • Python | • API Integration | • Problem Solving | • Experimentation |

EXPERIENCE

Generative AI Developer
University Project
Focused on building efficient AI-driven solutions for financial modeling using advanced generative methods. Directed a team environment with strong emphasis on document quality and detailed presentation skills.

- Developed prototypes employing Retrieval-Augmented Generation (RAG) techniques tailored for financial models.
- Worked collaboratively with peers on enhancing user experience and functionality through integrated AI elements.
- Crafted optimized algorithms and data structures resulting in significantly improved application efficiency.
- Produced thorough documentation and workflow diagrams clarifying project processes and results.
- Presented detailed findings, garnering positive feedback concerning methodology and clarity from faculty reviewers.
- Engaged in mentorship with experts, gathering insights into the practical applications of Generative AI.

January 2026 - Present
Portland, OR

Machine Learning Research Assistant
Academic Research
Collaborated on research transforming agentic workflows into real-world applications, utilizing modern frameworks to enhance model performance. Contributed innovatively to boost accessibility and scalability of AI outputs.

- Supported research clusters focused on agentic AI workflows, resulting in prototype advancements for automated processes.
- Conducted intensive experiments enhancing data analysis aimed at improving model precision.
- Collaborated within a team asserting documentation standards and preparing for academic presentations.
- Utilized cloud technologies for AI model deployment, heightening accessibility for collaborative research initiatives.
- Developed a portfolio showcasing significant research contributions and innovative AI developments.

September 2025 - December 2025
Portland, OR

- Participated in rigorous code reviews ensuring high-quality benchmarks for deliverables.

AI Solutions Team Member

March 2025

Hackathon Project

Portland, OR

Actively contributed in fast-paced hackathon setting, bringing innovative ideas to life within tight deadlines. Fostered teamwork dynamics combining creativity and efficiency to achieve technical excellence.

- Teamed up to create an application utilizing LLMs designed specifically for financial analytics.
- Implemented streamlined data processing techniques that greatly improved operational efficacy.
- Sketches user interface enhancements encouraging elevated engagement and satisfaction among users.
- Cataloged development phases ensuring replicable methodologies for similar future engagements.
- Showcased project model effectively during judging, earning commendations for unique technological integrations.
- Motivated discussions revolving around optimization strategies based on collective user testing experiences.

LEADERSHIP & AWARDS

- Dean's List, Portland State University (2025)
- Winner, University Hackathon (2025)

CERTIFICATIONS

- Google AI Fundamentals 📅 2026
- AWS Cloud Practitioner 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, Computer Science Club (2024 – Present)
- Peer Mentor, Undergraduate Tutoring Program (2025 – Present)

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST