

# Vincent Chu

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## EDUCATION

**University of Missouri, Columbia** **Expected Graduation: Dec 2025**

Bachelors of Science (B.S) Information Technology | GPA: 3.85/4.00 | Dean's list (*Dec 2022-May 2025*)

**St. Louis Community College**

**Graduated: Dec 2022**

Associate of Arts (A.A) General Transfer studies | GPA: 3.93/4.00 | Dean's List (*Dec 2021-May 2022*)

## SKILLS

- **Development & Tools:** IntelliJ IDEA, Visual Studio, Xcode, Jupyter Notebook, Docker, Github, Git Version Control, Agile, Android studio, Jira, Flask, Ollama, Open webUI, RESTful API, Terminal, Tailscale, ServiceNow
- **Programming Languages:** Java, C#, Python, SwiftUI, Bash, HTML, CSS, SQL, MongoDB
- **Data Science & ML Libraries:** Pandas, NumPy, Keras, TensorFlow, Scikit-Learn, Pytorch
- **Business & Process:** Process Automation and Optimization, System Integration, Gap Analysis, Workflow Design

## Research Experience & Projects

**Student Researcher for XR VR Project** | University of Missouri Columbia | *Columbia, MO* **Feb 2025 - Current**

- **AI Infrastructure:** Developed a local AI server infrastructure supporting cross functional teams, integrating a custom Large Language Model with Ollama and OpenWebUI to power a VR-based semiconductor lab assistant
- **Data Modeling:** Collected and preprocessed domain-specific data, applying augmentation techniques and tuning model parameters and weights to accurately answer graduate-level questions on equipment, procedures, and safety
- **RAG Implementation:** Deployed Retrieval-Augmented Generation (RAG) using embedding and reranking models, and custom-formatted technical documentation to enable accurate, context-aware response

**Student Researcher for CoreAutism Project** | University of Missouri Columbia | *Columbia, MO* **Feb 2024 - Aug 2024**

- **Technical Analysis:** Analyzed over 2,000+ data points from voice and heart rate data using AWS, contributing to visualizations that directly informed the development of personalized treatment plans by medical professionals
- **Documentation Initiative:** Authored over 5,000 words of technical documentation and development 2 debugging frameworks for new and previous processes, significantly reducing future team onboarding time
- **App Testing:** Led UX non-functional and functional testing, identifying 45+ critical bugs to developers, maintaining application stability for 20+ users in a CI/CD environment

## Work Experience

**Asset Manager Intern** | Maritz | *St. Louis, MO* **May 2025 - Aug 2025**

- **Solution Engineering & ROI Analysis:** Engineered logistics solutions, reducing asset loss and operational costs, projected \$20,000+ in annual savings with a 156% ROI through process automation and system optimization
- **System Integration:** Designed ServiceNow specifications, workflow automation requirements, and API integration architecture for seamless data flow between ServiceNow platform, ShipEase CORE plugin, and asset management systems

**Peer Learning Assistant** | University of Missouri Columbia | *Columbia, MO* **June 2024 - Current**

- **Academic Support:** Supported 250+ students across 8 courses, achieving an average response time of under 10 minutes for assistance with course material and assignments.
- **Grading Responsibility:** Responsible for grading and supporting 8 of the following courses: Intro to Python, Python for Machine Learning, Software Engineering, Fundamentals of Networking and Security, SQL Database Systems and Applications, and C# Programming, reinforcing core concepts

**Apprentice in Training** | Accenture Federal Services | *St. Louis, MO* **June 2022 - Aug 2022**

- **Java Development:** Implemented Java applications by applying key concepts such as collections, lambdas, and interfaces to build robust and efficient software components.
- **Agile Methodology:** Developed with agile and scrum software development methodologies with java, demonstrating clear and high quality code, collaborating and coordinating with other team members