

# Vincent Chu

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## EDUCATION

### University of Missouri, Columbia

Expected Graduation: Dec 2025

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

### St. Louis Community College

Graduated: Dec 2022

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
- **Business & Process:** Process Automation and Optimization, System Integration, Gap Analysis, Workflow Design

## WORK EXPERIENCE

### Asset Manager Intern | Maritz | *St. Louis, MO*

May 2025 - Aug 2025

- **Business Process Reengineering:** Identified data discrepancies between ServiceNow and discovery tools (JAMF, Azure, CrowdStrike), engineered automated workflow solutions that reduced manual processing overhead by 40%
- **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
- **Solution Engineering & ROI Analysis:** Engineered automated logistics solutions reducing asset losses and operational costs, delivering \$18,000+ annual savings and demonstrating 157% ROI through process automation and system optimization

### 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

### Peer Learning Assistant | University of Missouri Columbia | *Columbia, MO*

June 2024 - Current

- **Student Support:** Support 250+ students with <10 minute response times on course material and assignments
- **Grading Responsibility:** Responsible for grading 4 of the following courses: Python, Networking and Security, SQL & Databases, and C# Programming

### Student Researcher for *CoreAutism Project* | University of Missouri Columbia | *Columbia, MO*

Feb 2024 - Aug 2024

- **Technical Analysis:** Analyzed 2,000+ lines of voice and heart rate data from individuals with autism with statistical evaluations, contributing to visualizations that helped doctors develop personalized treatment plans
- **Documentation Initiative:** Created 2 debugging frameworks and created analytical context documentation (>5,000 words) for previously undocumented and new processes to streamline future team onboarding
- **App Testing:** Led UX non-functional and functional testing, identifying 45+ critical bugs to developers, maintaining application stability for 20+ users in continuous integration/deployment environment

### Apprentice in Training | Accenture Federal Services | *St. Louis, MO*

June 2022 - Aug 2022

- **Java Development:** Elevated coding proficiency through implementation of the collections, static inner and outer classes, lambdas, anonymous classes, override methods, interfaces, and exceptions in Java programming
- **Agile Methodology:** Developed with agile and scrum software development methodologies with java, demonstrating clear and high quality code, collaborating and coordinating with team members under Dan Myers and Atree Desai