

Tu Nguyen

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Education

Missouri University of Science & Technology	May 2025
B.S. Computer Science	GPA: 4.0/4.0
Courses:	
- Database Systems - Computer Security - Computer Networking - Advanced Algorithm	- Programming Languages and Translators - Introduction to Deep Learning - Introduction to Artificial Intelligence - Python for Data Scientist
Saint Charles Community College	May 2022
A.S. Computer Science	GPA: 3.8/4.0
Courses:	
- Java/C#/C++/Python	- Mobile Apps Development

Experience

Missouri University of Science and Technology	Rolla, MO
Programmer and Designer – Boeing Capstone II Project	January 2025 – May 2025
• Designed and implemented a search algorithm for an air-to-ground search system, optimizing efficiency for Boeing's use case	
• Developed an interactive GUI to visualize flight paths and search areas in a 2D grid world	
• Collaborated with a team of 3 to integrate search heuristics, obstacle detection, and route optimization	
• Followed Scrum methodology for agile development and iterative improvements.	
Missouri University of Science and Technology	Rolla, MO
Team Leader – Capstone I Project	August 2024 – December 2024
• Led a team of 3 in developing a spaced repetition PDF viewer, allowing users to annotate, summarize, and interact with PDFs	
• Designed a user-friendly React-based web application with an interactive PDF viewer	
• Developed a structured system model to improve usability and maintainability	
Ameren Transmission	St Louis, MO
Digital Application Development Co-op	May 2023 – December 2023
• Contributed to Switching Manager, a .NET-based electrical grid management system, ensuring reliable power distribution	
• Developed UI components and enhanced database queries (SQL) to improve system performance	
• Collaborated with senior developers to design, implement, and test new features following Ameren's coding guidelines	
• Automated data processing tasks using Excel and AutoIt, improving operational efficiency	

Skills

- Android Studio	- Eclipse	- Python	- Git	- C#	- React	- DevOps
.NET Framework	Docker	VB.net	AutoIt	C++	Java	Pytorch

Honors & Activities

- Phi Theta Kappa Honor Society
- The National Society of Leadership and Success
- ACM (Association for Computing Machinery) – Web, Competitive Programming, Security, Data