

Tu Nguyen

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Education

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|---|---|
| Missouri University of Science & Technology | May 2025 |
| B.S. Computer Science | GPA: 4.0/4.0 |
| Courses: | |
| - Database Systems | - Programming Languages and Translators |
| - Computer Security | - Introduction to Deep Learning |
| - Computer Networking | - Introduction to Artificial Intelligence |
| - Advanced Algorithm | - 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

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| Missouri University of Science and Technology | Rolla, MO |
| Programmer and Designer – Boeing Capstone II Project | January 2025 – May 2025 |
| <ul style="list-style-type: none">Designed and implemented a search algorithm for an air-to-ground search system, optimizing efficiency for Boeing's use caseDeveloped an interactive GUI to visualize flight paths and search areas in a 2D grid worldCollaborated with a team of 3 to integrate search heuristics, obstacle detection, and route optimizationFollowed 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 |
| <ul style="list-style-type: none">Led a team of 3 in developing a spaced repetition PDF viewer, allowing users to annotate, summarize, and interact with PDFsDesigned a user-friendly React-based web application with an interactive PDF viewerDeveloped a structured system model to improve usability and maintainability | |
| Ameren Transmission | St Louis, MO |
| Digital Application Development Co-op | May 2023 – December 2023 |
| <ul style="list-style-type: none">Contributed to Switching Manager, a .NET-based electrical grid management system, ensuring reliable power distributionDeveloped UI components and enhanced database queries (SQL) to improve system performanceCollaborated with senior developers to design, implement, and test new features following Ameren's coding guidelinesAutomated data processing tasks using Excel and AutoIt, improving operational efficiency | |

Skills

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|------------------|----------|----------|---------|-------|---------|----------|
| - 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