

EDUCATION

Bachelor of Science, Computer Science (*Minor: Statistics and Cybersecurity*)
Texas A&M University

Graduation: May 2025
GPA: **3.66**

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, JavaScript, SQL, Groovy, R

Software Tools: AWS, Docker, Tableau, React, Spring Boot, Jenkins, Gradle, Kubernetes, MySQL, nginx, Jira, tailwind

Other Expertise: Machine Learning, Full Stack Development, REST API, Automated Testing, Data Visualization, Git

WORK EXPERIENCE

Student Technician

August 2023 - Present

Texas A&M Center for Teaching Excellence

- Retrieve data from AWS S3 using Python/SQL for analyzing and making reports for all Digital Learning initiatives
- Compose research papers analyzing teaching-learning correlation to inform effective educational strategies
- Partner with various Texas A&M departments on projects to collectively improve student success
- Create visual dashboards in Tableau for different reports requested from Texas A&M leadership

Software Engineering Intern

May 2023 – August 2023

Resi Media, LLC

- Collaborated in an Agile team to implement software features as well as develop solutions to bugs
- Engineered the first automated Netflix VMAF testing suite integrated into the CI/CD environment
- Acquired knowledge of back-end operations, microsystems, and consolidation of pull requests and code review
- Conducted local, network, and end-to-end testing through Groovy & Shell scripts to validate software's integrity

Support Specialist (Front-End Development and Data Analytics)

March 2022 – May 2023

Texas A&M Office for Academic Innovation

- Developed emails using HTML/CSS that get delivered to over 4,500 staff/faculty and 70,000+ student population
- Created mobile responsive UI/UX in emails and websites with CSS that allow cross-platform accessibility
- Translated designs and wireframes into high-quality code using HTML, CSS, JavaScript
- Analyzed enterprise data and created visual dashboards in Tableau to make informed decisions

ACADEMIC & PROGRAMMING PROJECTS

Personal project management – Full-stack, Rest API, TypeScript, Java, AWS

August 2023 – Present

<https://minhdaonguyen.com/projects/projects-mainagement>

- Develop a full-stack application that enables users to track projects and tasks through a user-friendly interface
- Implement Rest API with Spring Boots and deploy using AWS EC2 instant, AWS S3, AWS authentication

Personal Website - React, Docker, AWS, JavaScript

July 2023 – Present

<https://minhdaonguyen.com/>

- Implement a personal website serving as a centralized hub to showcase projects, experiences, and hobbies
- Develop the website using React and deploy it using Docker with AWS ECS, Route53, and Load Balancer

eICU Mortality Prediction – Machine learning, Python

May 2023

<https://minhdaonguyen.com/projects/eICU-ML>

- Engineered a Machine Learning Model for mortality prediction using eICU dataset
- Documented thoroughly model development, methodology, and building process using LaTeX