

# DANG (MICHAEL) NGUYEN

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## EDUCATION

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**Texas Christian University**  
*Bachelor's, Computer Science*

**August 2021 - December 2025**  
*GPA: 3.7*

## PROFESSIONAL EXPERIENCE

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### T-Mobile

*Cloud/Software Engineer Intern*

**Frisco, TX, USA**

*May 2025 - August 2025*

- Created a GitLab CI/CD pipeline to automate scan policy exemptions using CSV input to modify API responses by workspace, enabling 100% automated compliance reporting and accelerating security review cycles.
- Built Terraform modules to automate Azure security provisioning, reducing manual configuration time by 50%.
- Developed a Go script to automate ServiceNow and GitLab credential rotation across multiple organizations, decreasing manual credential management time by 60% and improving security posture.

### Infolob Global

*Data Engineer Intern*

**Irving, TX, USA**

*May 2024 - August 2024*

- Built and managed Oracle databases by applying SQL and Exadata knowledge, improving data migration efficiency by 30%.
- Enhanced Oracle Database functionalities by integrating Large Language Models (LLMs), enabling advanced vector search, which increased semantic information retrieval accuracy by 40%.
- Created a CRUD application for cloud database file management using Oracle APEX and D3.js for data visualization.
- Collaborated with the CTO and other interns, contributing to successful project outcomes through strong communication.

### Sendo Technology Joint Stock Company

*Software Engineer Intern*

**Ho Chi Minh City, HC, Vietnam**

*May 2023 - August 2023*

- Led data processing for over 10,000 user records using Python, Power BI, and Microsoft Excel, delivering insights that influenced company decisions and improved data-driven strategies by 25%.
- Guided team members in adopting the 'Great Expectations' framework, enhancing the consistency and reliability of data analyses.
- Developed a backend microservice in Golang to automate user thumbnail creation, reducing manual image processing time by 50% and increasing team productivity.

## PROJECTS & OUTSIDE EXPERIENCE

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### Senior Design Project - Fort Worth Diagnostics

*August 2024 - May 2025*

- Designed an automated genetic sequence analysis system for Fort Worth Diagnostics, a biochemical manufacturer of disease testing kits, reducing development cycles by 30% through Agile methodologies and iterative client feedback.
- Collaborated with a team of six students to establish vision and scope documents, maintaining FDA-compliant technical documentation for seamless onboarding and project continuity.
- Developed automated reporting tools leveraging genetic data, cutting manual processing time by 60% and enhancing analysis efficiency for FWDX scientists.
- Led weekly sprint planning with a team of six, implementing test cases and CI/CD processes to enhance system reliability.

### Hogwarts Artifacts API - [Link to project](#)

*February 2024 - May 2024*

- Developed a RESTful API using Spring Boot to manage wizards, artifacts, and user data, implementing CRUD operations within the Controller and Service layers.
- Developed unit tests for services and controllers with Mockito and Spring's MockBean to ensure robust functionality.
- Integrated Spring Security for user authentication and role-based authorization, and utilized Spring's RestTemplate to incorporate the OpenAI GPT-4 API for real-time API functionality summarizations.
- Deployed the application on Azure Cloud, including database setup and connection, and established staging and deployment environments to streamline the deployment process.

## SKILLS

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**Languages:** Python, Java, Terraform, SQL, Linux/Unix, JavaScript, Go

**Framework Libraries:** Flask, Vue.js, Spring Boot

**Technologies:** Microsoft Azure, AWS, Git, Digital Ocean, Mongo Atlas, Oracle Cloud, Docker, CI/CD Pipelines