

# LAM NGUYEN

Nijmegen, Gelderland, Netherlands

[nguyentunglamcmc@gmail.com](mailto:nguyentunglamcmc@gmail.com) - (+84) 333948228 - [GitHub](#) - [LinkedIn](#) - [Portfolio](#)

## EDUCATION

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**Radboud University, Nijmegen, Netherlands**

Expected 05/2024

M.S. in Data Science

**Gustavus Adolphus College, MN, USA**

Graduated 05/2021

B.A in Computer Science, Minor in Mathematics

Major GPA: 3.72

**Achievements:** 2019 ICPC – North Central North America: Ranked 29<sup>th</sup>/180.

## EXPERIENCE

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**Software Developer at CMC Global**

May 2021 – August 2022

Hanoi, Vietnam

- Implement encryption/decryption features for a Gateway project serving requests between different partners.
- Configure, test APIs and analyze log files in SIT and UAT environments.
- **Technologies used: Spring Boot, MongoDB, JWT, React.js.**

**Software Developer Intern at National Information Solutions Cooperative**

June 2020 - August 2020

Mandan, ND, USA

- Developed UI features and polished behaviors for a business rules approach to configure billing to devices mapping that handles 1.6 million requests per month.
- Built a project from the ground up to serve API specs.
- **Technologies used: Angular, Spring Boot, MongoDB, Swagger UI.**

**React Developer Intern at VnSolutions**

June 2019 - August 2019

*VnSolutions is a software company that delivers software solutions for enterprises across Vietnam.*

Hanoi, Vietnam

- Design and developed the UI for the company's manufacturing management software for clients.
- Utilized front-end npm packages to modify the UI, interacted with APIs for products data.
- **Technologies used: React.js, npm, yarn.**

## PROJECTS

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**Vietnam Gender Analysis (Owner) [Demo link](#)**

- Collected data and utilized machine learning models: Multilinear regression, Lasso regression and Random Forest to predict the sex ratio at birth in Vietnam, with 72 percent accuracy.
- Plotted maps and population pyramid to display the distribution of population between different age groups

**College Analysis (Owner) [Demo link](#)**

- Gathered data and built a multilinear regression model to predict academic success for over four hundred Institutions in the Midwest, United States
- Utilized clustering algorithm to identify different segments of colleges

**Australian Open 2021 (Owner) [Demo link](#)**

- Built a Shiny App in **R** that analyzes players' performance at the Australian Open 2021 tennis tournament
- Gathered and processed data, then displayed statistics and their relationships using **HTML/CSS/jQuery**
- Constructed an interactive selection of different players and displays their statistics

**GAC-Academics (Owner) [Demo link](#)**

- Built a web project to assist students with their studies: Professor ratings, classes help, 4-year plan and students' chat box.
- Implemented Google OAuth login authorization with **Angular, Spring Boot** and **MongoDB**.
- Hosted the front-end using **Firebase** console and the back end using **Heroku**.

## TECHNICAL SKILLS

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- Programming Languages: Python, Java, JavaScript, SQL, R, Go.
- Technologies/Libraries: HTML/CSS, Angular, React.js, jQuery, Spring Boot, Node.js, mongoDB, Git.