

KOLBE MOSHER

Ave Maria , FL 34142 • 603-731-5185 • KOLBE.MOSHER@GMAIL.COM • [HTTPS://WWW.LINKEDIN.COM/IN/KOLBE-MOSHER-259626223/](https://www.linkedin.com/in/kolbe-mosher-259626223/)

EDUCATION & TRAINING

Ave Maria University – Ave Maria, FL

Catholic liberal arts university with 1500 students located outside of Naples, FL founded by entrepreneur Tom Monaghan

B.S. in Computer Science | B.A. in Mathematics

Relevant Coursework: Machine Learning & Artificial Intelligence, Deep Learning & Large Language Models, Linear Algebra, Optimization, Probability and Statistics, Data Structures and Algorithms, Automata Theory, Programming Languages, Calculus I–III, Physics I–II

The Institute Member of professional training program and expert network with 3% selection rate and 150 hours of training

CompTIA A+ Certification

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, Java, C++, SQL, Bash, HTML/CSS, LaTeX
Frameworks/Tools	Next.js, PostgreSQL, MongoDB, Git, Tailwind CSS
ML/AI	Machine Learning, Deep Learning, LLM fundamentals, data analysis, statistical modeling
Platforms	Linux, Ubuntu, Debian, Windows, macOS

PROFESSIONAL & INTERNSHIP EXPERIENCE

Full Stack Developer / Project Manager, Ave Maria University, Department of Digital Strategy 2025 – Present

- Built and maintained web applications with Next.js for university initiatives.
- Led a 3-person team developing a career platform using Agile workflows.
- Translated stakeholder needs into reliable software features.

Software Engineering Intern, Ignatius Book Club 2023 – 2024

- Built full-stack features with Next.js, PostgreSQL, Cloudinary, and BigCommerce.
- Worked on a 5-person Agile team to deliver production-ready features.
- Contributed across frontend, backend, and database development.

Tech Support Team Lead/Member, Immaculate High School 2018 – 2021

- Led a 4-person student tech support team.
- Troubleshoot devices and documented support issues.
- Helped deploy a 30-workstation graphic design lab.

IT Intern, Scalzo Property Management 2020 – 2021

- Supported virtual desktops, backups, file systems, and remote access tools.
- Maintained website content and reviewed analytics.
- Created documentation and resolved internal technical issues.

SELECTED PROJECTS

Mathematics Paper–Survey and Empirical research paper about the effectiveness of Persistent Homology in AI

- Introduces the basics of Topological Data Analysis, analyzes how it is used to improve the accuracy of Machine Learning (AI) models and finally I put these method to use across 30 datasets to determine when it actually improves the model.

Singularity – Web application developed using React framework with HTML, CSS, JavaScript, and Python

- Included class search engine in project prototype that used Rate My Professor scores and class grade averages to make finding good professors easier. Executed club search function to make finding clubs, events, and contacts fast and efficient.

Nuke_Bot (Nukey) – Discord bot created in JavaScript (previously in Python) – https://github.com/kolbemosh/Nuke_Bot

- Enabled functionality such as in-game economy using MongoDB for storage, multiplayer Connect 4 and Hangman games, and real time stock and crypto information obtained by web scraping.