

TIMOTHY LANZI

Full-Stack Application Developer and Server Administrator

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EXPERIENCE

GIS Programmer II

Eastern Shore Regional GIS Cooperative

January 2019 – Present

Salisbury, MD

- Served as sole full-stack developer for a GIS office, owning 12–14 internal and public-facing applications from planning through maintenance
- Built full-stack applications providing public access to data, maps, tools, services, and career resources across government and regional programs
- Gathered requirements from staff, clients, and partner organizations, translating needs into technical designs and delivery plans
- Developed features including search, filtering, CSV exports, content management, user accounts, administrative roles, and organization-level access
- Built a reusable Python API that converts geospatial file formats into GeoJSON for multiple mapping applications
- Automated deployment and infrastructure workflows using Docker, Dokploy, Ansible, and CI/CD pipelines
- Modernized and maintain application infrastructure through containerized DigitalOcean hosting, framework and database migrations, CMS upgrades, accessibility improvements, monitoring, backups, and server moves
- Packaged and delivered an application to the Maryland Department of Natural Resources, supporting deployment on its infrastructure

Intern

Eastern Shore Regional GIS Cooperative

November – December 2018

Salisbury, MD

- Maintained and expanded upon a full-stack web application using React, Node.js, Handlebars, and webpack
- Documented and updated a dashboard application using Node.js, Express, Handlebars, and Grunt
- Collaborated with partner team to ensure client satisfaction

Supplemental Instructor

Salisbury University

August – December 2018

Salisbury, MD

- Planned and facilitated group study sessions 3 times per week
- Assisted students during weekly laboratories
- Coordinated with course professor to implement session content

Team Leader

Chick Fil-A; North Pointe Plaza

September 2014 – August 2018

Salisbury, MD

- Promoted to Team Leader in August 2015
- Trained new employees in several positions in front and back-of-house
- Led shifts and assigned daily responsibilities
- Assisted customers and resolved service issues

SKILLS



Application Development

Full stack dev with React, Next.js, Node.js, TypeScript, TailwindCSS, Tanstack, Python, HTML/CSS/SCSS and Vite



Database Development

PostgreSQL, MongoDB, Microsoft SQL Server, Redis



Application Deployment

Digital Ocean Products, AWS, Vercel, Cloudflare, Ansible, Dokploy, Infisical



Application Maintenance

CI/CD with GitHub Actions, Linux server system administration, Git



Machine Learning

Tensorflow and Pytorch

COMPUTER LANGUAGES

JavaScript/TypeScript

Python

HTML

CSS/SCSS

Go

Bash

C/C++

Java

EDUCATION

Master of Computer Science

Ira A. Fulton School of Engineering, Arizona State University

July 2022

- GPA: 4.0 on a 4.0 scale
- A.I. and Machine Learning Certification
- Big Data Professional Certification

Bachelor of Science in Computer Science

Henson School of Science and Technology

December 2018

- GPA: 3.896 on a 4.0 scale; Magna Cum Laude
- Phi Eta Sigma Honor Society, Phi Kappa Phi Honor Society