ALEK COUPET

Tallahassee, Florida · https://www.akayog.me

EDUCATION

Florida State University   Tallahassee, Florida
Bachelor's Computer Science (Minor: Information Technology)   2021 - 2025

TECHNICAL SKILLS

Programming Languages:	C++, Java, C#, C, Python, PHP, MERN (MongoDB, Express.js, React.js, Node.js)
Tools & Frameworks:	Git, MySQL, MSSQL, .NET, Next.js, Nginx
Security:	SIEM (Splunk), Kali Linux, Linux Audit Daemon, SSL
Certifications:	Git and GitHub, SSH, SSL Certificates, Network Foundations

EXPERIENCE

Florida State University   Tallahassee, FL
Research Assistant & Co-Investigator (JWST Proposals)   2024-01 - Present

- CS lead, assisting in analyzing space telescope data to identify supernovae using SQL and Python.
- Developed scripts using AstroPy, NumPy, and MatPlotLib to visualize and process astronomical datasets, enhancing data interpretation for research analysis.
- Collaborated on two JWST proposals focused on photometric calibration through blackbody stellar spectra and spectroscopic follow-up on high-redshift supernovae.

Premium Pressure Washing South Florida   Pembroke Pines, FL
Web Developer   2024-11 - 2025-02

- Engineered a dynamic, SEO-optimized website using Next JS with a modern user interface, resulting in increased client inquiries.
- Configured Nginx as a reverse proxy with SSL to enhance security and site reliability.
- Optimized performance using PM2, reducing downtime and improving load times.

CodePath   Tallahassee, FL
Tech Fellow   2025-01 - Present

- Supporting the successful execution of a cybersecurity program serving over 6,000 students.
- Mentoring students through foundational cybersecurity concepts providing troubleshooting support, and fostering a collaborative learning environment.

Personal Website   Tallahassee, FL
Web Developer   2024-12 - Present

- Interactive 3D portfolio using Javascript with Three JS, HTML, and CSS, hosted on Ubuntu with Nginx.
- Showcases projects, experience, and skills in a visually engaging format.
- Configured SSL and caching optimizations, improving site performance.

PROJECTS

E-Commerce Platform *C #, MSSQL, .NET Framework*
Designed and developed a cross-platform application using .NET MAUI and C#, integrating RESTful APIs for seamless data exchange and enhanced functionality.

Task Management Web Application *MongoDB, React JS, Express JS, Node JS*
Developed a full stack task management web app with features such as task creation, dashboard viewing, and organization management.

Real Estate Listing Website *PHP, MySQL*
Created a real estate listing website allowing users to search, view, and interact with real data.

AWARDS

2nd Place – FSU CTF   FSU Cybersecurity Club
Secured 2nd place in FSU's annual CTF competition, demonstrating advanced skills in challenges such as
reverse engineering, web exploitation, and cryptography.   2024

Dean's List   Florida State University
Achieved a semester GPA of 3.5 or higher while enrolled in at least 12 credit hours of letter-graded courses,
demonstrating consistent academic excellence.   2021, 2024 (x2)