Nicholas Knighton

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EDUCATION

Texas A&M University   College Station, TX
Bachelor of Science in Computer Science   Aug 2020 – Dec 2023
Cumulative GPA: 3.4/4.0

EXPERIENCE

Randolph Brooks Federal Credit Union   San Antonio, TX
Web Development Intern   Jun 2023 – Aug 2023
- Migrated a JQuery webpage to Angular helping customers apply for loans efficiently and conveniently
- Developed a single page, mobile friendly Angular application based on design mockups
- Participated in community volunteering events (Haven for Hope homeless shelter)

Juern Technology   San Antonio, TX
Security Technician Intern   Jun 2022 – Aug 2022
- Managed client computer systems, ensured software uptime and security
- Developed a program to allow managers to view computer and software system vulnerabilities
- Attended IT support calls to assist in getting client computer systems up and running

Backpacking Around SouthEast Asia   Dec 2023 – Oct 2024
- Managed logistics (hostel, bus, flight, train, excursions) during my 276 days of backpacking over 50k miles across 12 countries including Mount Everest Base Camp in Nepal and Angkor Wat in Cambodia
- Grew my travel focused social media accounts to over 60k total followers

PROJECTS

Walmart - Containerized Web Apps (Senior Capstone Design Project)   Aug 2023 – Dec 2023
- Used stable diffusion to create datasets based on text input to train computer vision models
- Leveraged Amazon S3 and supabase to store and query generated images while Amazon EC2 instances were used to run the stable diffusion model and generate images
- Worked in a team of 5 using the agile method and used github to collaborate on writing code and test cases

Portfolio Website - nickmknighton.com   May 2023 – Dec 2023
- Designed and implemented a portfolio website from scratch using Next.js framework that displays personal projects, photography, and displays a map of the 33 countries I have visited
- Utilized Amazon S3 and Supabase database to store and display 10gb of photography
- Publicly hosted using Vercel which hosts a test and public version of the website

Revs American Grill - Principles of Software Engineering   Oct 2022 – Dec 2022
- Implemented a react based website for a restaurant that allowed for seamless interaction between servers, customers, and managers
- Served as lead front end engineer of a team of 5 and provided direction for the front end aspects of the website
- Used React and SQL to store and display menu information, processes orders and display ordering statistics

Additional

Technical Skills: React, Angular, Next.js, C++, Python, TypeScript/JavaScript, SQL, HTML, CSS, Java, Git, Amazon AWS
Certifications & Training: Angular Course (Udemy), Vim Course - text editor shortcuts (Udemy)