Than Nguyen

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EDUCATION

Louisiana Tech University   **August 2022**

    Bachelor of Science - Computer Science - GPA: 3.5
    Concentration - Cybersecurity **Awards** - Cum Laude

EXPERIENCE

Concordia Parish - Mathematics Tutor
- Provided one-on-one and group tutoring sessions in Algebra, Geometry, Trigonometry (Grade 6-12)
- Met with teachers from multiple schools to gather lesson plans and materials for tutoring sessions

Fashion Nails Salon - Salon Assistant
- Delivered excellent customer service to clients, ensuring a positive experience
- Managed expenses (rent, utilities, supply costs, etc)
- Assisted nail technicians with tasks (tool preparation, billing, appointment booking, etc)

PROJECTS

StudyBuddy (NodeJS, React, Express, MySQL)
- Worked in an agile environment to build a web application to connect students in need of study groups
- Implemented front-end elements: dashboard, profile page, study rooms page, login/registration page
- Built API designed to access and update MySQL database and authenticate users

Simple Graphics Engine (Python)
- Created a simple graphics engine that renders movable objects or still frames
- Implemented multiple graphical rendering techniques (perspective projection, backface culling, polygonal filling, z-buffer, etc) and shading models (flat shading, Phong shading, Gouraud shading)
- Implemented ray tracing to render still frames

Grim Findings Game (Unity, C#)
- Collaborated with 2 computer science students and 1 design student to create a 3D adventure game
- Designed movement system for NPCs and environmental hazards (obstacles)
- Implemented UI elements (Main Menu, Scorekeeping)
- Connected game with high score database to save high scores

Personal Website (NextJS, ReactJS, Tailwind, Framer-Motion) - thannguyen.dev
- Built a responsive website to help represent myself and showcase my accomplishments

TECHNICAL SKILLS

Programming Languages - Python, Java, JavaScript, HTML, CSS, TypeScript, C#, C++, SQL
Technologies/Frameworks - React.js, Node.js, Express.js, NextJS, MySQL, Git, TailwindCSS
Other - Agile, Scrum, REST APIs, Digital Forensics, Cryptography