Samuel Buttonow

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EDUCATION AND CERTIFICATIONS

Bachelor of Science in Computer Science   [August 2021 - May 2025]

University of North Carolina at Greensboro
- Concentrations in Web development, Security, and database development.
- Final GPA: 3.35
- Dean's List Fall of 2021, Spring of 2023, Fall of 2024

CompTIA ITF+ Certification   [July 11, 2024]

EXPERIENCE

Internship - Freelancer Web Developer   [May 2024 - Current]

TaxInformed LLC and JL Buttonow CPA PLLC | Summerfield, NC
- Designed and developed the company's website, ensuring a seamless user experience and modern functionality.
- Led the architecture and implementation of the site's progression and successful launch.
- Manage web hosting, security, and performance optimization to ensure site reliability.
- Collaborate with a team to build a full-scale eCommerce platform for tax services, integrating payment processing and client management features.

PROJECTS

iHive – Senior Capstone Project

GitHub-Inspired / Shark Tank-Style Web Platform for Entrepreneurs and Investors

Role: Lead Front-end/Full-Stack Developer | Team Size: 4
- Developed a full-stack web application designed to connect entrepreneurs with investors by allowing users to post innovative ideas. After an Investor has found their perfect investment, they can contact the user and initialize a collaboration. Inspired by GitHub and Shark Tank, the platform includes collaboration tools, real-time chat, and AI-powered features for enhanced discoverability and matching.

Key Features:
- AI-Powered Tagging & Search: Integrated OpenAI API to auto-generate tags and enhance idea discoverability.
- Collaboration System: Role-based permissions for idea editing (Public, Protected, Private).
- Real-Time Chat: Enabled investor-innovator communication using WebSockets (Socket.IO).
- Authentication: Implemented secure login/signup using Supabase Auth.
- Investor Matching (Planned): Exploring AI/ML models for automated investor recommendations.

Tech Stack:
- Frontend: React, Next.js, Tailwind CSS
- Backend: Node.js, Express.js, PostgreSQL (via Supabase)
- AI Integration: ChatGPT API
- Real-Time Messaging: Socket.IO
- Deployment: Vercel (Frontend), Render (Backend)

SKILLS

Computer Science:
- **Languages**: Java, C, Python, PHP, Assembly, HTML, CSS, JS, TypeScript
- **Developer Tools**: VS code, GitHub, Vercel, Render
- **Frameworks:** React, Node.js, Laravel, Next.js, Tailwind CSS, Socket.io, Express.js
- **Databases:** PostgreSQL, SQLite, Supabase

Other Skills:
- WordPress
- GitHub
- Web Development
- Full-stack development
- Security (UNCG CSC 481)
- AI (UNCG CSC 429)
- Network based projects and development.

Experience:
- Microsoft Suite
- Customer service
- Time management
- Independent project management
- Team project management
- Hosting management