Chapel Hill, NC   (919)-780-1919

AKUNNA ONYEKACHI

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EDUCATION

Chapel Hill, NC   **University of North Carolina at Chapel Hill**   **Aug 2019-Dec 2023**

- **Secondary Major:** Information Science, M.S (Web/Mobile App Development and Data Science Focused)
- **Primary Major:** Environmental Science, B.S (Geographic Information Systems Focused)
- **App Development Coursework:** Full-Stack Dev, UX/UI, Data Flow, APIs, CI/CD, Security, Databases, Scalability
- **Data Science Coursework:** Information Retrieval, Data Mining, Cloud Computing, Geospatial Data Analysis

EMPLOYMENT

Software Engineer and Data Scientist   **Akunna Tech Studio**   **Aug 2023-Present**

- Leveraged knowledge in Full Stack Web development, JavaScript, Git and debugged using Chrome Developer Tools
- Developed independent data science projects, including data mining and web scraping initiatives, to enhance the functionality of full-stack web and mobile app development projects
- Created dynamic and interactive visualizations to communicate complex patterns and trends for data storytelling

Geospatial Data Engineer Intern   **Durham Public Schools**   **May-Aug 2023**

- Designed automation tools on R to streamline census data collection, integration, and processing workflows
- Employed ArcGIS and Python for population density trend analysis, student growth projection, and maps creation
- Developed scheduling mechanisms and integration with APIs to automate data retrieval and updates, saving approximately five hours of manual effort per week

SOFTWARE PROJECTS

Personal Website: *www.akunnatechstudio.com* (for additional information and projects)

Job Application Platform with Automated Evaluation

- Data mined multiple resumes collectively and used the insights extracted to develop a mobile-responsive job application web platform featuring the company description, job role, and an application form
- Built a RESTful API to securely store applicant data in a cloud storage platform
- Automated each application review with Python for grading applicant responses, resumes, and cover letters
- Utilized: HTML, Tailwind CSS, BootStrap, JavaScript, Node.js, Express.js, Google Cloud Storage, Python

Faithify iOS App

- Generated random Bible verses focused on themes of love, grace, faith, hope, and overcoming challenges
- Offered users interactive quizzes to assess their understanding of scripture verses and strengthen memorization and reflection skills, alongside providing a dedicated space for storing verses
- Allowed users track their progress in memorizing scripture and set personalized goals for their journey
- Utilized: Swift, SwiftUI, JSON, Firebase, Alamofire, Combine

Quasar Job Board Platform

- Developed a front-end job board platform for tech jobs with intuitive navigation and interactive features.
- Employed modern web development techniques to create a visually appealing and functional interface for job seekers and employers
- Utilized: React, Material UI, JavaScript XML, Vite, HTML, Hooks, Tailwind CSS

Nduka Social Media App

- Provided a safe platform for sharing stories of overcoming adversity, fostering support and inspiration for those dealing with sadness and depression
- Launched comprehensive user content management with CRUD operations
- Enabled anonymous account creation and the personalization of avatars for safe, supportive sharing
- Introduced anonymous reporting and support resources for user harassment and misconduct
- Utilized: MongoDB, Mongoose, Node.js, Express.js, React, Sassy CSS, Postman

SKILLS

Software: *(proficient):* R, Node.js, Swift, MATLAB, React, Flask, jQuery, *(familiar):* C#, Docker, Angular, Vue, PHP, TypeScript, SQL