Chapel Hill, NC   (919)-780-1919

AKUNNA ONYEKACHI

www.linkedin.com/in/akunna1   akunna1mail@gmail.com

www.github.com/akunna1   www.akunnatechstudio.com

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 cloud computing, full stack web development primarily with JavaScript frameworks, iOS app development, software testing, Git, and debugging 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**

- Showcased expertise in GIS application development, data acquisition and analysis
- 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

(Codes available on GitHub, including additional GIS projects)

SOFTWARE PROJECTS

Personal Website: *www.akunnatechstudio.com* (for additional information, visualizations, and projects, including data science 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, Tailwind, Sassy CSS, Postman, Vite

SKILLS

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