

Chapel Hill, NC

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AKUNNA ONYEKACHI

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EDUCATION

Chapel Hill, NC	University of North Carolina at Chapel Hill	Aug 2019-Dec 2023
<ul style="list-style-type: none">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, ScalabilityData Science Coursework: Information Retrieval, Data Mining, Cloud Computing, Geospatial Data Analysis		

EMPLOYMENT

Software Engineer and Data Scientist	Akunna Tech Studio	Aug 2023-Present
<ul style="list-style-type: none">Leveraged knowledge in Full Stack Web development, JavaScript, Git and debugging using Chrome Developer ToolsDeveloped independent data science projects, including data mining and web scraping initiatives, to enhance the functionality of full-stack web and mobile app development projectsCreated dynamic and interactive visualizations to communicate complex patterns and trends for data storytelling		
Geospatial Data Engineer Intern	Durham Public Schools	May-Aug 2023
<ul style="list-style-type: none">Designed automation tools on R to streamline census data collection, integration, and processing workflowsEmployed ArcGIS and Python for population density trend analysis, student growth projection, and maps creationDeveloped 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, 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