EDWARD BAKER

☎ 919-670-9067 ✉ edwardunc1@gmail.com ⌱ Github in LinkedIn

PROFESSIONAL SUMMARY

Statistically minded problem solver with experience leading teams, working in agile environments, and communicating with non-technical audiences. I have a diverse portfolio of programming and mathematical experience applied in both the classroom and industry.

Languages: Python, R, SQL, MATLAB, Java, C, HTML, JavaScript
Concepts: Algorithms, Data Structures, Hypothesis Testing, Probability, ML, NLP
Certifications: AWS Certified Cloud Practitioner

EDUCATION

M.S. in Analytics   May 2024
Institute for Advanced Analytics, NC State University, Raleigh, NC

B.S. in Computer Science, Minor in Religious Studies   May 2023
University of North Carolina at Chapel Hill, Chapel Hill, NC

PRACTICUM

U.S. Department of Education   September 2023—April 2024
Team Leader

- Implemented custom network clustering algorithm based on KNN techniques to construct social networks by connecting individuals across 30+ attributes for 300K+ individuals
- Delivered well-documented and reproducible Python code to client to create new network data for 45M+ customers
- Estimated the effect of one's social network on 5 long-term student outcomes using logistic regression, decision trees, and chi-square tests

---

EXPERIENCE & PROJECTS

UNC-CS Department   Chapel Hill, NC
Undergraduate Learning Assistant – Foundations of Programming   August 2022—May 2023

- Pioneered a new assignment and facilitated a workshop for 50+ students to understand MVC architecture
- Hosted office hours for 6hrs/week to help students debug code and ask technical questions
- Graded 100+ student exams and assignments

Xylem Inc.   Raleigh, NC
Data Science Intern   May 2022—August 2022

- Developed 3 new web application screens for a Xylem Data Lake product to drive revenue growth
- Integrated customer data with an Angular based application using SQL and AWS
- Developed Python scripts to analyze security concerns for 1K+ Xylem employees

RamVision   Personal Project
Angular – Firebase - JS

- Created a student-focused website that displays historical grade distribution data
- Real-time database integration with the ability for users to query results and upload new data
- Intuitive and modern UI allows for a seamless user experience