Yabeke Zike

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EDUCATION

Brown University - *Cumulative GPA: 3.8* **Providence, RI**
B.S. Computer Science. and B.A. Economics Anticipated Graduation: May 2025
Relevant Coursework: Data Structures and Algorithms, Computational Linguistics, Artificial Intelligence, Software Engineering, Computer Systems, Data Science, Interaction Design, Logic for Systems, Object-Oriented Principles, Software Security Exploitation, Discrete Mathematical Structures, Probability & Statistics, Linear Algebra, Calculus II

PROFESSIONAL EXPERIENCE

Brown University Department of Computer Science **Providence, RI**
Teaching Assistant for Data Structures and Algorithms Course Jan 2023 – May 2023 | Jan 2024 - May 2024 | Jan 2025 - Present
- Reinforced data structure and algorithm concepts taught in lecture of 500 by holding weekly conceptual office hours, leading lab sections explaining program design, hosting debugging sessions to support code concepts, and reviewing students' projects

Brown University Department of Computer Science **Providence, RI**
Teaching Assistant for Java Object-Oriented Programming Course Aug 2022 – Dec 2022 | Aug 2024 - Dec 2024
- Held a combined 10 hours of section weekly to assist students debug their programs and solidify beginner programming concepts while also delivering mini-lectures and labs in order to solidify object-oriented design approaches delivered in lecture

Bloomberg LP **New York City, New York**
Software Engineer Intern Jun 2024 - Aug 2024
- Built a python GraphQL API service to redesign how clients receive employee data focused on correcting oversharing issues and integrating authorization measures with Open Policy Agent to ensure data security and succinct delivery of information
- Researched various data sources for the API and their impact on service response speed to guarantee maintainability and scalability

CompSciLib **Bear, Delaware**
Frontend Software Engineer Intern Jun 2023 - Nov 2023
- Utilized react to developed an entry quiz modal for users to answer questions surrounding course load and personal demographics to create a personalized learning experience within the website as well as organizational campaigns centered around the user
- Created various features by prioritizing user-centered design to improve accessibility, website effectiveness, and user experience

Island17 DAO, Dreamtank **Boulder, CO**
Winter Internship Team Lead Dec 2022 – Feb 2023
- Designed and created a survival game using the Unity software and C# scripts in order to gamify the sustainable development goals of the United Nations to increase awareness and encourage players to take action toward these goals
- Oversaw project progress by serving as a point of contact between the interns and the C-suite to ensure efficient production

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, MySQL, React, C#, HTML, CSS, NodeJS, C, Assembly, Stata, Rego
Software: Adobe applications(photoshop, indesign, illustrator), Microsoft application suite, Git, IntelliJ, VS Code, Figma, Docker

PROJECTS

Machine Learning: *Python* **Apr 2024**
- Implemented a k-means algorithm and supervised regression model with various datasets and system inputs in order to visualize the impact and ethics of data on machine learning decisions using graphs based on the prediction accuracy of these programs

Maps: *Java, React, HTML, CSS* **Apr 2023**
- Created a java backend server to process a users https request of an area bounds against historical redlining data and a react frontend that fetches this processed data in order to display areas affected by redlining within these bounds using the Map Box component

Database: C, Assembly **Jan 2023**
- Designed a multi-thread safe system utilizing sockets for client requests, mutex locks to secure threads, and user input commands as well as a server that manages a database of key-value pairs allowing clients to connect, modify, and read from the database

Search Engine: *Python* **May 2022**
- Implemented a search engine that allows users to query large wikis of data and returns the most relevant pages by indexing the data into xml, parsing the data, running the query against these files, and returning results based on Google's PageRank algorithm

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership For Tomorrow **Washington, DC**
Career Preparation Fellow – Software Engineering Track Jan 2023 – Present
- Chosen from thousands of applicants to participate in this program focused on professional, leadership, and industry development
- Complete business case studies and assignments to hone analytical, quantitative, and technical skills among cohort of students

Seize Every Opportunity (SEO) **New York, NY**
SEO EDGE Participant - Tech Track Jun 2022 – Present
- Mentored and coached through online instruction to achieve targeted interview, technical, and professional developmental goals
- Fulfill modules surrounding industry-specific training focused on technical skills, institutional knowledge, and attention to detail

Brown University Undergraduate Finance Board **Providence, RI**
At-large University Representative Mar 2023 – May 2024
- Elected by student body to serve as a financial representative for various student groups across campus within student government
- Assisted in developing university-wide funding policies around the distribution of two million dollars allotted to student activities