

Benjamin Tate

Fairfax • Virginia • 22032 • +1 (571)-239-1535

bentate165@gmail.com • www.linkedin.com/in/benjamin-s-tate • <https://bent165.github.io/Personal-Portfolio>

EDUCATION

George Mason University | Fairfax, VA

B.S. in Computer Science | GPA: 3.57/4.0

May 2024

Dean's List: Fall 2022, Spring 2023, Fall 2024

Relevant Courses: Data Structures, Algorithm Analysis, Databases, Full Stack Development, Operating Systems

TECHNICAL SKILLS

Programming Languages: JavaScript | Python | SQL | HTML/CSS | Go | Java

Technologies/Frameworks: Bootstrap, Django, Docker, ReactJS, REST API, Node.js, , Android Studio, Unix/Linux

PROJECTS

Map Reduce

- Designed a Go-based distributed framework inspired by Google's model to rapidly process data sets
- Utilized parallel processing and multithreading to reduce runtime by 3x
- Implemented system resilience and fault tolerance mechanisms, with a focus on scalability and performance **Go**

Kitchen Katalyst

- Built full-stack web application in Django to track and generate recipes from grocery items
- Constructed robust database and authentication system to protect and manage data for dozens of users **SQLite**
- Designed proactive push notification system for expiring groceries, reducing waste by over 30% per month **Python**
- Created web templates to suggest and display recipes for preparation, limiting time spent searching for recipes online **HTML/CSS | Javascript**

PROFESSIONAL EXPERIENCE

Systems Programming Teaching Assistant | George Mason University | Fairfax, VA Aug 2023 - May 2024

- Provided leadership and guidance for students in solving their problems related to assembly language, data types on embedded systems, Linux system calls, virtual memory, and concurrency in C
- Collaborated with students and instructors to administer online resources and conceptualize course material in a dynamic and accessible format

Data Structures Teaching Assistant | George Mason University | Fairfax, VA Jan 2023 - May 2023

- Served as liaison between students and educators to enhance documentation for projects utilizing dynamic arrays, linked lists, tree structures, and graphs in Java
- Mentored over 50 students in implementing data structures and object-oriented programming techniques, empowering them to develop better programming habits
- Assessed students' understanding of course concepts and project specifications to coach aptitude for compartmentalizing large projects

Chipotle | Team Member | McLean, VA

Apr 2021 - Aug 2021

- Collaborated with team to maintain high-quality service standards and create a positive customer experience
- Adapted to high pressure situations to deliver efficient solutions and meet tight deadlines in fast-paced work environment