Zachary Dexter

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EDUCATION

The George Washington University   Washington, D.C
Bachelor of Science in Computer Science   **Projected Graduation May 2027**
Technical GPA: 3.5/4.0
Cumulative GPA: 3.5/4.0
Relevant Coursework: Data Structures, Discrete Structures, Systems Programming, Software Engineering

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, Git, HTML, C, JavaScript
- **Operating Systems:** Windows
- **Skills:** Data Structures and Algorithms, Systems Programming, Software Engineering
- **Tools/Frameworks:** Visual Studio, vim, Excel

EXPERIENCE

Math Tutor for DC Public Schools through George Washington University | Washington, D.C   **August 2024 - Present**
- Instructed small groups of elementary school students on 5th grade-level mathematics using interaction activities and visual aids, resulting in improved student engagement and understanding.

Community Engagement Advisor at George Washington University | Washington, D.C   **August 2023 - May 2024**
- Developed a welcoming experience in residence halls for 800+ students by organizing community events and providing support, enhancing student satisfaction and community engagement
- Served as the initial point of contact for emergency situations

Internship at GMI Automation | Old Bridge, NJ   **October 2022 - November 2022**
- Collaborated with the CEO to plan future projects, enhancing the company's time efficiently and project management process

Team Member -> Rides Operation Supervisor at Six Flags Great Adventure| Jackson, NJ   **July 2021 - August 2023**
- Managed and trained 50+ new hires on company operations and policies, and best practices for their specific roles
- Acted as a first point of contact for customer concerns and emergency situations
- Certified as both Operator and Trainer for 20+ attractions, enhancing operational safety and staff competency

TECHNICAL PROJECTS

NLP Covid Data Project - Java
- Analyzed 150,000 unique tweets regarding Covid opinions
- Collaborated with project partner to produce meaningful, useful data to gain insights into COVID sentiment

Raspberry Pi SenseHat Project - Python
- Worked with 2 other students to program a SenseHat to analyze temperature, humidity, air pressure over time

Breakout Web Game - Game Development: JavaScript, HTML, CSS (on GitHub Profile)
- Developed a Breakout game with smooth animations and responsive mouse-controlled paddle
- Implemented collision detection, ball physics, and a countdown timer, demonstrating front-end development skills

EXTRACURRICULAR ACTIVITIES

TedxFoggyBottom - Member -> Production Director   **August 2023 - Present**
- Co-lead a sub-team of 10+ members to prepare for an event of 400+ attendees
- Reached out to dozens of potential speakers to invite them to participate
- Responsible for logistical event production, including stage design and practical effects of presentations
- Primary liaison for speakers on event day
- Part of a team that raised $5,000+ and sold 400+ tickets for event

GW Software Engineering Club - Member   **February 2024 - Present**
- Collaborated with other members to create a web app focused on teaching programming

American Legion New Jersey Boys State - Delegate   **June 2022**
- Selected from a competitive pool of 300+ students to represent district at annual Boys State retreat

Interests

- **Game Development, Machine Learning, AI**

AWARDS

- **George Washington's University Presidential Scholarship Recipient**