

Zachary Dexter

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GitHub: <https://github.com/zachdexter>

EDUCATION

The George Washington University
Bachelor of Science in Computer Science

Washington, D.C

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

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

[HomeLibrary Database](#) - Backend: Python, SQL | Frontend: JavaScript, HTML, CSS

- Developed a full-stack web app with Flask and SQLite on the backend to manage personal book collections
- Implemented dynamic sorting and searching features to enhance user experience and data accessibility.

[Brick Breaker Web Game](#) - Game Development: JavaScript, HTML, CSS

- Developed a Brick Breaker game with smooth animations and responsive mouse-controlled paddle
- Implemented collision detection, ball physics, and a countdown timer, demonstrating front-end development skills
- Integrated a live, playable demo of the game into my personal website

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

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
- 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 University's Presidential Scholarship Recipient**