

# 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++, 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**

- 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
- Integrated a live, playable demo of the game into my personal website

## 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**