

# Azia Bay-Asen

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## EDUCATION

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### University of Texas at Dallas

Richardson, TX

*Bachelor of Science in Computer Science, Minor in Creative Writing, 3.5 GPA*

*May 2025*

- **Scholarships and Awards:** National Merit Scholarship, Academic Excellence Scholarship
- **Activities and Societies:** National Merit Scholars Program; Hobson Wildenthal Honors College, or Collegium V
- **Study Abroad:** Professional and Technical Communication at the International Studies Institute Florence (Italy)

## EXPERIENCE

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### York Space Systems

Denver, CO

*Flight Software Engineer Intern*

*May 2024 – August 2024*

### Maxus33

Richardson, TX

*Mobile Software Engineer Intern*

*August 2023 – December 2023*

- Developed 4 .NET MVVM full-stack/cross-platform Android/iOS native mobile applications using C#/XAML.
- Ported 1.2k LOC software from Windows Forms to Xamarin Forms, allowing UWP/macOS cross-compatibility.
- Overhauled landing page UI/UX after designing wireframes using Figma to increase user intuitivity by 100%.

### Maxus33

Richardson, TX

*Mobile Software Engineer Intern*

*September 2022 – June 2023*

- Improved installation key algorithm coverage by 85% before developing relevant unit testing suite with xUnit.net.
- Multiplied the storage of 250,000+ embedded animations from a previous 25,000 using dotLottie file compression.
- Collaborated with developers in Scrum/Agile daily stand-ups using Azure DevOps CI/CD and Git version control.

### iD Tech Camps

Richardson, TX

*Programming Instructor*

*May 2023 – July 2023*

- Instructed 50+ high school students (ages 13-17) in the following 6 courses: Java Coding for Applications, Java Coding for Game Development, Java Coding: Build Mods with Minecraft, Advanced Minecraft Modding with Java, JavaScript Coding and Game Creation, and BattleBots Camp: Robotics Engineering with VEX.

## TECHNICAL SKILLS

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**Languages:** C, C++, C#, Python, Dart, Java, JavaScript, Assembly, SQL, XAML, HTML, CSS

**Frameworks:** Flutter, React, PyTorch, .NET Framework, .NET MAUI, Windows Forms, Xamarin Forms

**Libraries:** pandas, OpenCV

**Database Systems:** Google Cloud Platform (GCP), MySQL

**DevOps Tools:** Git, Azure DevOps

## PROJECTS

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### AeroVista | *Python, PyTorch, OpenCV, Git*

- Onboarded the project, "AeroVista: Leveraging Computer Vision to Create High-Performance Search-and-Rescue Drones" alongside 5 other students for the Association for Computing Machinery Research Spring '24 program.

### Don't Start the Game | *GDScript, Godot Engine, Git*

- Created a pixel art adventure game with hundreds of browser plays ([bit.ly/dstg](https://bit.ly/dstg)) alongside 4 other students.
- Judged 3rd place and Most Innovative in the 10-day Student Game Developer Association Spring '24 Game Jam.

### AnxietyAlign | *Dart, Flutter, Google Cloud Platform (GCP), Git*

- Built a mood-tracking, text/audio-journaling mobile application using Dart/Flutter alongside 4 other students.
- Presented an 8-min. live demo ([bit.ly/anxietyalign](https://bit.ly/anxietyalign)) to a panel of industry professionals and audience of hundreds.
- Elected 1st place in the 10-week Association for Computing Machinery Projects Spring '22 software competition.

## LEADERSHIP/VOLUNTEERISM

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### Association for Computing Machinery

Richardson, TX

*Education Officer, Technical Interview Preparation Lead*

*September 2023 – Present*

- Led 9 weekly undergraduate-targeted workshops on data structures and algorithms using Java and Python.
- Vetted 50+ candidates for the Association for Computing Machinery Technical Interview Preparation program.

### Office of Student Volunteerism

Richardson, TX

*Student Volunteer*

*March 2023 – Present*

- Accumulated 50+ hours of volunteer service working with the LGBT and HIV/AIDS service provider the Resource Center, the foster care organization Jonathan's Place, and the historic farm museum Heritage Farmstead Museum.