

# Ayan Zia

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Honors Computer Science student at Rutgers University with hands-on experience in mobile development, seeking software engineering opportunities to drive innovation through technology.

## EDUCATION

### Academy for Information Technology

QPA: 97.53/100

### Rutgers University

GPA: 4.0

- o **B.S. in Computer Science**
- o **Related Coursework:** Data Structures, Linear Algebra, Discrete Structures I, Computer Architecture

Scotch Plains, New Jersey

Sep 2020 - Jun 2024

New Brunswick, New Jersey

Sep 2024 - May 2027

## EXPERIENCE

### Erickson Senior Living

Student Server

New Providence, New Jersey

Jul 2023 – Present

- Orchestrated daily restaurant operations and mentored new employees while serving over 100 residents, consistently earning positive feedback from management and residents

## PROJECTS

### Messenger

Nov 2023 – Jan 2024

- Engineered a real-time messaging platform integrating Firebase database and translation APIs, enabling seamless communication across language barriers

### Daily Vocabulary Trainer

Jan 2020 – Jul 2023

- Developed an iOS application using Swift featuring adaptive flashcards and quiz modes, demonstrating improved vocabulary retention among beta testers
- Implemented data-driven learning paths through analytics and persistent storage features

### Robotics Scouting Application

Nov 2023 – Jan 2024

- Designed a scouting platform that optimized team performance by streamlining competitor analysis during regional competitions

### Monkey Jump

Apr 2024 – Jun 2024

- Created an endless runner game featuring procedurally generated obstacles and dynamic difficulty scaling, ensuring consistent performance across devices

## ACTIVITIES

### Future Business Leaders of America

State and National Level Competitor

Scotch Plains, New Jersey

Dec 2021 – Mar 2024

- Spearheaded a 3-member team to consecutive state championships (2022, 2023), advancing to national finals with award-winning presentations

### NP Intergenerational Club

Community Service Volunteer

New Providence, New Jersey

Nov 2021 – Dec 2023

- Launched diverse community support initiatives including technical assistance and home maintenance for seniors, while facilitating intergenerational events

### The Connection

English as a Second Language Instructor

Summit, New Jersey

Oct 2022 – Mar 2023

- Structured English language instruction for 25+ adult learners, crafting engaging lesson plans that enhanced student progress

## SKILLS

**Programming:** Java, Swift (iOS), Python, SQL, HTML/CSS, GDScript, Kotlin, C

**Certifications:** Java Foundations Certified Junior Associate, Oracle Database Foundations Certified Junior Associate, CompTIA: ITF+ (IT Fundamentals), Microsoft Office Specialist: Associate