
Anbar Saleem

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EDUCATION

New Jersey Institute of Technology, Newark - *B.S. in Computer Science* 9/2021 - Present

- Albert Dorman Honors Scholar (GPA: 4.0)
- Coursework: Data Structures and Algorithms, Calculus, Linear Algebra, Probability and Statistics

SKILLS

Programming: Java, Python, Javascript, C#, VR, Unity Engine, OpenXR, Git, GitHub API

Web Development: CSS, HTML, Markdown, Bulma, Bootstrap

Languages: English, Urdu, Hindi

EXPERIENCE & LEADERSHIP

Scenotate, NJIT Interactive Cross-Reality Lab - *Project Lead* 5/2022 - 8/2022

(https://anbarsaleem.com/Scenotate_Infographic.pdf)

- Led development of an educational VR tool for the Oculus Quest to automate rendering of spatial annotations associated with situational scenarios using Unity
- Used OpenXR Plugin and Unity XR Interaction Toolkit to handle user input and interaction with annotation game objects that would enable associated text to appear above the user's wrist
- Implemented CSV reading functionality and translation of read information into C# objects at runtime
- Developed dynamic conversion of panoramic images to applicable skybox materials upon loading the application using C# for Unity

Undergraduate Research Institute, NJIT - *Research Fellow* 5/2022 - 7/2022

- Developed a capstone presentation for NJIT Undergraduate at the end-of-10-week Research Symposium
- Engaged in advanced workshops on complex research methods, ethics, and presentations led by NJIT Albert Dorman Honors College professors

Highlander Foundry, NJIT VentureLink - *Student Entrepreneur* 6/2022 - 8/2022

- Selected as one of eight participants in an 8-week program to attend workshops and one-on-one meetings to develop entrepreneurship skills including marketing, customer development and outreach, and pitching to investors
- Pitched project at a showcase at the end of the program in front of real investors

Intro to Java Programming I, NJIT - *Course Assistant* 12/2021 - Present

- Graded and provided feedback on weekly programming assignments and exams
- Held weekly office hours for students to review core concepts and debug assignments

Ying Wu College of Computing, NJIT - *Volunteer Mentor* 1/2022 - Present

- Advised on social and university-related matters to newly admitted YWCC students

eSTEM Challenge, Newark, NJ - *Volunteer Mentor* 12/2021 - Present

- Lead elementary school students in designing and prototyping a wind-powered vehicle to gain early hands-on engineering experience and promote renewable energy resources

First Robotics Competition Team 3515, Iselin, NJ - *Team Captain* 10/2017 - 2/2021

- Designed and applied the electrical system for the First Infinite Recharge game
- Learned about different models of motor controllers, including the Spark/Talon-SRX series
- Wired electrical system together (e.g. motor controllers, power distribution panel, RoboRio Robotics controller)
- Developed strong understanding of Robot mechanics, programming, and electronics as the drive team member, electrical team member, and mechanical team member

Stuyhacks IX Hackathon, NYC, NY - *Attendee* 2020

- Designed a 3D platforming game programmed in C# using the Unity Engine

AWARDS

NJIT Provost Undergraduate Research Institute Fellowship, NJIT Honors Summer Research Institute Fellowship, NJIT Dean's List, The Khawaja Foundation Scholarship, National Honor Society, National AP Scholar