AHMET SAMI CEMEK

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Objective: To obtain an internship or Research Experience for Undergraduates (REU) in the computer science field by using my skills in problem-solving, interpersonal skills, and prior programming knowledge.

Technical Skills

Programming Languages: Java, JavaScript, Python, C#, HTML, CSS, R.
Tools & Software: Git&Github | Adobe XD | Website Design | Unity | RStudio | Blender | Oculus VR Application Development | Windows operating systems, Microsoft Office Suite| Social Media Management: Instagram, Facebook
Oral Languages: Turkish (Native) | German (Elementary)

Education

Bachelor of Arts in Computer Science, Minor: Statistics   **May 2024**
New College of Florida, The Honors College of Florida   Sarasota, FL

Relevant Coursework: Object-Oriented Programming in Java; Programming in Python; Front-End Web Design and Development; Social & Ethical Issues in Computer Science; R for Data Science; Dealing with Data 1; Discrete Math; Calculus 1; Graph Theory

Relevant Experience

Virtual Reality Research Assistant   **June 2021 - Present**
New College of Florida, Department of Natural Sciences   Sarasota, FL
- Implemented a virtual reality (VR) simulation for Oculus Quest 2 and Oculus Rift S headsets using C# and Unity(game engine) to show the impact of boat injuries on manatees.
- Utilize C# and Python to collect game analytics to analyze user interaction for future research studies.
- Modeled 3D objects using Blender to implement in the simulation.

C# and Unity Game Development Independent Study Project   **January 2021**
New College of Florida, Department of Natural Sciences   Sarasota, FL
- Utilize Visual Studio program to write code in C# and view the results in 2D or 3D through the Unity platform to develop a computer game with 6 peers.

Erasmus+ Exchange Research Program   **April 2018**
Bahçelievler Anadolu (High School) - Ökumenisches Domgymnasiu (High School)   Istanbul,Turkey - Magdeburg,Germany
- Collected opinions about GMOs (Genetically Modified Organisms) via video recording and analyzed the data.
- Researched the long and short-term effects of GMOs on people, agriculture, and the economy through a variety of scientific resources.
- Showcased our outcomes via a multimedia presentation to a group of teachers and students.
- Designed a website based on the research outcomes we concluded as a group of 20 students.

Computer Science Projects

Front End Web Design and Development | HTML, CSS, JavaScript, Adobe XD   **September 2021**
- Designed and implemented websites about "Cookies" and "Personal Favorite Music Band".

Virtual Reality (VR) Development | C#, Unity
Worked on both mobile and headset VR simulation development: **February 2021**
- Google Cardboard Project for Mobile Android phones | Hand Tracking Project with Oculus
- Zen Garden Project with Oculus | Locomotion Project with Oculus | Environmental Awareness Final Project

Object-Oriented Programming | Java   **May 2021**
- SIR Pandemic Models: Visualized and analyzed differential equation models for the spread of the Corona virus.
- Instagram Filters: Implemented image filters that change the RGB values of each pixel of an input image.

Leadership & Involvement

Executive Council Member of Association for Computing Machinery (ACM) of New College   **August 2020-Present**
- Organized and planned club events, panels, and internship seminars as an executive member.

Member of New College of Florida Volleyball Club   **August 2020-Present**
Volunteer at Our Daily Bread of Bradenton, a non-profit organization, for over 100 hours   **April 2020**