

Omer Ozkaya

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EDUCATION

Northwestern University | Evanston, IL

June 2024

Bachelor of Science

- Major in Computer Science
- GPA: 3.48/4.0
- Relevant Coursework: Design Thinking and Communication, Single Variable Differential Calculus, Single Variable Integral Calculus, Multivariable Differential Calculus, Engineering Analysis (I, II, III), Fundamentals of Computer Programming (1, 1.5, 2), Data Structures and Algorithms, Introduction to Computer Graphics, AI and Experimental Narrative, Human-Computer Interaction, Mathematical Foundations of Computer Science, Generative Methods

PROJECTS

Astro Dash | St. Louis, MO

July 2020 - Present

Game Developer and Designer

- Designed and generated a tap-based game with physics in Unity using C# with a small team of 3 people
- Uploaded to Google Play Store with over 500 downloads to date
- Implementing a shop and currency system for users to buy in-game cosmetics

WebGL Projects | Evanston, IL

March 2022 - June 2022

Developer

- Developed 3 separate projects using WebGL, JavaScript, HTML, and CSS each focused on a different aspect of computer graphics
- Created a 2D scene with 3 separate 3D objects with movement and keyboard and mouse controls
- Built a 3D scene with a movable camera containing over 6 3D assemblies
- Incorporated 4+ different combinations of shading and lighting in a 3D scene with animated and textured assemblies

Tron Game | Evanston, IL

May 2022 - June 2022

Game Developer and Designer

- Programmed a C++ game with keyboard and mouse controls playable with two concurrent players
- Cooperated in a small team of 2 to design and build sprites and graphics for game
- Tested and troubleshooted extensively to optimize game playability and ease of use; reduced system resource usage by 30%

EXPERIENCE

Northwestern University Dance Marathon Companion App | Evanston, IL

June 2022 - Present

Developer

- Designing and building an app with React Native to keep track of over 1000 Northwestern University Dance Marathon users
- Implementing and keeping track of new features leveraging Scrum methodology
- Cooperating with 10+ teammates to ensure code quality and enhance user experience
- Identifying and correcting bottlenecks and bugs within app through use of various testing methods

Northwestern University | Evanston, IL

April 2022 - Present

Computer Consulting Aide

- Maintain 5 Computer Labs and 8 Classrooms with media equipment in the McCormick School of Engineering
- Integrate and set up new hardware and technology for aforementioned classrooms and labs
- Facilitated a helpline pertaining to tech issues for a department encompassing 1500+ students and faculty

Gateway Science Academy | St. Louis, MO

Summer 2020

IT Assistant

- Solved and troubleshooted technological issues for 500+ students and faculty
- Maintained school's technology and optimized repair efficiency for laptops by 25%

LEADERSHIP

Turkish American Society | *Mentor*

May 2016 - Present

- Mentored and taught english to 5+ English Language Learner (ELL) students
- Translated schoolwork, set goals, and stimulated students to achieve goals
- Led cultural and recreational activities for ages 14 below at youth and cultural centers
- Planned 20 lessons and organized educational tournaments for middle and high school students throughout academic year

SKILLS

- Technical: Python, C#, JavaScript, Racket, Java, C, C++, MATLAB, HTML, CSS, React, React Native, Firebase, Terminal, VM, Unix Shell, Scrum/Agile, Computer Hardware/Software Expertise, Lab Skills, Shop Skills
- Language: English (Native), Turkish (Native), Arabic (Basic), Spanish (Basic)