

Arda Akinci

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Bachelor of Science in Electrical and Computer Engineering
Dean's List (F'21) (S'22)
GPA: 4.0/4.0 Scale

May 2025

PROJECTS

March Madness Simulator

April 2022 - April 2022

- Designed and coded entire project in Python
- Implemented AI and real life ball physics and animations to strengthen user interface
- Contains two settings: tournament simulation, and free throw practice
- Final project for programming class in which we were tasked to complete in 2.5 weeks

Weather React.js App

July 2022 - July 2022

- Created an app using React.js, HTML, CSS that displays the weather forecast and time at a city
- Used Axios to request data from a weather API

NFL Game Generator

June 2022 - June 2022

- Created a web-scraping algorithm that crawls NFL websites for game data
- Displays score, data, and all players played in given game

RESEARCH & WORK EXPERIENCE

Research Assistant - Carnegie Mellon University

April 2022 - Present

- Analyzed the technology in Intel Optane SSD and its efficiency relative to competitive SSDs and HDD
- Deconstructed parts and created circuits to measure SSDs power consumption
- Tested using various softwares such as Iometer and CrystalDiskMark

Intern – LeanFM Technologies, Pittsburgh, PA

June 2020 – August 2020

- Analyzed diagrams of buildings and HVAC sensor data
- Mapped sensor data to what was specified on the drawings

Referee – Fox Chapel Area Winter League, Pittsburgh, PA

December 2017 – Present

- Refereed and kept score of youth basketball games at my community recreational league
- Refereed 50 games per year for the last four years

Volunteer – Light of Life Homeless Shelter, Pittsburgh, PA

September 2019 - December 2019

- Prepared food and served food to the clients

TECHNICAL SKILLS

Programming Languages: Python, HTML, CSS, JavaScript, React.js, C

Software: Matlab, Excel, PowerPoint, Office

Language: Fluent in English, Turkish

RELEVANT COURSEWORK

- Principles of Imperative Computation (15-122)*
- Electronic Devices and Analog Circuits (18-220)*
- Introduction to Electrical and Computer Engineering (18-100)
- Fundamentals of Programming and Computer Science (15-112)
- Mathematical Foundations of Electrical Engineering (18-202)*
- Linear Algebra and Vector Calculus (21-254)

*: enrolled Fall 2022

EXTRACURRICULAR ACTIVITIES

Sigma Alpha Epsilon Fraternity, Houseman Position
Men's Club Volleyball, Member

September 2021 – Present
January 2021 – Present