Arda Akinci

aakinci@andrew.cmu.edu | (412) 765-9923 | https://www.linkedin.com/in/arda-akinci-362927219/ | https://github.com/aakinci32

EDUCATION

Carnegie Mellon University, Pittsburgh, PA **May 2025**
Bachelor of Science in Electrical and Computer Engineering
Dean's List (F'21) (S'22)
GPA: 4.0/4.0 Scale

PROJECTS

March Madness Simulator **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**
- 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**
- Developed 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 computer parts and created self-made circuits to measure SSDs power consumption
- Tested using various softwares such as Iometer and CrystalDiskMark

Peer Tutor - Carnegie Mellon University **August 2022 - Present**
- Providing one on one sessions in Fundamentals of Computer Science and Into to ECE
- Managing student appointments for 5-10 hours/week

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

TECHNICAL SKILLS

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

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)   *: enrolled Fall 2022
- Fundaments of Programming and Computer Science (15-112)
- Mathematical Foundations of Electrical Engineering (18-202)*
- Linear Algebra and Vector Calculus (21-254)

EXTRACURRICULAR ACTIVITIES

Sigma Alpha Epsilon Fraternity, Houseman Position **September 2021 – Present**
Men's Club Volleyball, Member **January 2021 – Present**