Kaya Akinci

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EDUCATION

Carnegie Mellon University, Bachelor of Science in Electrical and Computer Engineering
GPA: 3.6

Pittsburgh, PA
August 2021
May, 2025

Relevant Coursework

Fundamentals of Programming and Computer Science	Concepts of Mathematics
Principles of Imperative Computation	Introduction to Electrical and Computer Engineering
Electronic Devices and Analog Circuits	Physics 1 and 2 for Engineers
Linear Algebra and Vector Space	Introduction to Biomedical Engineering

Fox Chapel Area High School
Weighted GPA: 4.21 Non-Weighted: 3.93

Pittsburgh, PA
July, 2017-
May 2021

SKILLS

Computer: Python, HTML/CSS, Flutter (Dart), Git, Java, R, MATLAB, MS Office
Language: Intermediate at Spanish and Turkish

WORK EXPERIENCE

Ecotone Renewables, App/Web Development Intern

Pittsburgh, PA
May 2022- Present

- Worked with a team, coded an IOS/Android App for public use with Dart
- Assisted on both front and back-end development through Flutter
- Designed possible layouts for the app in Figma

Carnegie Mellon University, Undergraduate Researcher

Pittsburgh, PA
July 2022- Present

- Researched and synthesized prior studies on the racial bias in pulse oximetry

LeanFM Technologies, Data Analysis Intern

Pittsburgh, PA
May - July 2020

- Performed data cleaning and data analysis for HVAC systems

PROJECTS

Airplane Delay Project, Python

May 2022 to July 2022

- Finds the current highest frequency delayed airport in the United States by looping through tens of thousands of daily US flights using a real-time flight tracking API
- Designed to help passengers decide which airports to fly through to avoid delays

Air Hockey Pro, Python

March 2022 to April 2022

- A variation of the popular arcade game Air Hockey using tkinter. I was able to implement real world air hockey/collision physics and implement a pathfinding AI.

Personal Website, HTML/CSS

June 2022 to July 2022

- Created and structured a personal website using HTML/CSS

LEADERSHIP/ SERVICE

Donut Dash, Volunteer

October 2021- Present

- Facilitated fundraising activities for the annual Pittsburgh Donut Dash fun run which in total raised over $90,000 for the Mario Lemiuex Foundation.

Fox Chapel Biomedical Engineering Club, Co-President/Co-Founder

Sept. 2018 to May 2021

- Organized several fundraisers for the UPMC Hillman Cancer Research Center