

MIRA MOOKERJEE

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EDUCATION

Carnegie Mellon University

B.S. in Information Systems & Human Computer Interaction
GPA 3.93/4.0

Pittsburgh, PA
May 2022

SKILLS

Technical Languages: Python, C, Ruby on Rails, Swift, SQL, MongoDB

Other: Teaching, critical thinking, organization, design

EMPLOYMENT

Teaching Assistant for 15112 (Computer Science)

- ❖ Teach algorithmic skills and strategic problem solving skills in Python
- present
- ❖ Lead biweekly recitations, office hours, and small group sessions
- ❖ Grade assessments and write practice problems for over 400 students

Pittsburgh, PA
Aug 2019 -

Content Creator for CS Academy

- ❖ Create interactive, engaging content that is integrated into high school CS curricula globally - Python-based
- ❖ Currently developing the Cybersecurity, Art, and Music concentrations in the CS2 course

Pittsburgh, PA
. Jan 2020 - present

EXPERIENCE

PWC Women's Leadership Conference (WLC)

June 2020

Goldman Sachs Engineering Essentials Program

May 2020

Deloitte National Leadership Conference

May 2020

PWC Case Competition in Pittsburgh, PA

March 2020

Deloitte Case Competition at Carnegie Mellon University

Feb 2020

TECHNICAL PROJECTS

"Flashy Cards"

- ❖ Simple IOS flashcards app
- ❖ Created an interactive and educational experience with a crisp UI

"Airbnb Database Design"

- ❖ Reproduced Airbnb relational and conceptual models on a team with three students
- ❖ Queried the database in SQL to realize simple and complex user stories

"Balance CMU"

- ❖ Designed a health and nutrition app for CMU students (Python)
- ❖ Implemented a variety of features including voice commands, tracking and sharing progress on Facebook, and a food recommendations feature that learns the nutritional preferences of the user

LEADERSHIP

Student Conductor of Moorestown Madrigals

- ❖ Served as an artistic and practical leader of the Moorestown Madrigals, a select group of 20 singers
- ❖ Prepared the group to perform 80-100 pieces of music per year

COURSES (by summer 2020)

Interaction Design Overview

Spring 2020

IOS Engineering (CodePath)

Spring 2020

Application Design and Development

Spring 2020

Principles of Imperative Programming (Algorithms & Data Structures)

Fall 2019

Database Design and Development

Fall 2019