

# Ryan Huang

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## Education

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### Carnegie Mellon University

Pittsburgh, PA

B.S. Information Systems (GPA: 3.42/4.00)

May 2023

Relevant Coursework: 15-112 Fundamentals of Programming and Computer Science, 15-121 Introduction to Data Structures, 36-200 Reasoning with Data, 36-202 Methods for Statistics and Data Science, 67262 Database design and development

## Projects

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### Tic Tac Toe

February 2020

- Developed MVC Tic tac toe game with python and tkinter GUI along with multiplayer compatibility
- Created various difficulty AI that matches varying timer based versions and user-centric AI assistance that inputs recommended moves for users facing AI

### Tetris

May 2020

- Developed a timer-based Tetris game with Python in Tkinter GUI to create dynamic plays
- Designed an object-oriented implementation to enhance version control protocols

## Job Experience

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### Tutoring high school students

- Participated in AP Computer Science preparation camp to help high school students practice accuracy and efficiency for the AP exam
- AP Calculus(AB&BC) group practice sessions for application of learned concepts and preparing for exams
- AP World History individual tutoring sessions for practicing concepts learned in class along with essay writing

## Extracurriculars

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### Awareness of Roots in Chinese Culture

Sep 2019 - Present

- Advocate for Chinese traditions through organizing social events to campus community
- Recruit and incentivize member engagement through social media and recruitment events

### Hong Kong Student Association

Sep 2019 - Present

- Enhance Hong Kong cultural celebrations through furthering social awareness and events
- Participate in mentorship programs to foster strong relationships throughout campus

### History Bowl

Sep 2017 - May 2019

- Participated in 2018 International History Olympiad in Berlin
- Directed highschool participation and coached highschool team for local and national history bowl

## Skills

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**Programming:** Python, C, Java, PostgreSQL

**Skills:** Data analysis, Database design and development

**Technologies and Applications:** Github, tkinter, Jupyter Notebook, pgAdmin, IntelliJ Java IDE, Thonny Python IDE