BLAIR WANG

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA | May 2020

Majors: Computer Science and Physics | GPA: 4.0 / 4.0

Relevant courses: Imperative Programming, Functional Programming, Computer system, Great Theoretical Ideas, Physical Analysis, Quantum Physics

SKILLS

Programming Languages: Python $\geq$ C > SML > JavaScript > Java $\geq$ HTML $\geq$ CSS, Latex

Languages: English, Chinese, Spanish

Honors: Certified pianist by Central Conservatory of Music in Beijing; Dean's List (2016-current)

PROFESSIONAL EXPERIENCE

Teaching Assistant for Fundamentals of Programming (15-112) | CMU | Summer 2017

- Taught Python and fundamental computer science concepts
- Led recitations weekly, held boot camps, office hours and grading sessions
- Mentored students on a month long final project

Teaching Assistant for Computer System (15-213) | CMU | Spring 2018 – Fall 2018

- Taught C, machine code and its generation by optimizing compilers, performance evaluation and optimization, computer arithmetic, memory organization and management, networking technology and protocols, and supporting concurrent computation
- In charge of Malloc Lab
- Recitation head; leading recitations weekly, holding boot camps, office hours and grading sessions

Teaching Assistant for Functional Programming (15-150) | CMU | Summer 2018

- Taught SML
- Led recitations weekly, held boot camps, office hours and grading sessions

Teaching Assistant for Great Theoretical Ideas (15-251) | CMU | Fall 2018 – Spring 2019

Cryptocurrency Data Analyst | CMU | Spring 2018 - Current

- Monitored transactions, trades and order books from Bitfinex.com and Huobi with python

PROJECTS | Portfolio website: blairwang.tk

Pendulum Lab | Fall 2017

- Developed an educational app that conveys the beauty of physics using python to simulate the movements of pendulums, and give user the ability to customize their pendulums and control gravity

Hurricane Hero (team work) | Spring 2017

- Created a website that aims to defeat hurricane by building a point-to-point hurricane aid network with python, google map API and Facebook chatbot API

EXTRACURRICULAR

Software Development Engineer for Robotics Club | CMU| Fall 2017 - Current

- Training the robot players to generate their own music based on given classical pieces using Markov chain.

Teaching CS for Social Good |CMU | Summer 2017

- Instructed Pittsburgh high school computer science teachers during CMU Regional K-12 CS Teachers Summer Workshop that aimed to help underprivileged students to get a better CS education.

Solo Pianist | 2008- Current

- Spending an hour every day to preserve my piano skills