Piratach Yoovidhya

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Education

Carnegie Mellon University   **(August 2018 - expected May 2022)**
B.S. in Computer Science | Concentration in Computer Systems   GPA: 3.25
Dean's List: Fall 2018
School of Computer Science
Pittsburgh, PA

Work Experience

ConnectWolf   **(May 2020 - August 2020)**
Database Engineer Intern
- Worked remotely within the database team to design the backend for the company's mobile app

CMU Computational Biology Department   **(January 2020 - May 2020)**
Research Assistant
- Worked with Professor Robert Murphy in implementing *Bioactive*, a program that is used to assist in research through active learning and model construction

Kasikorn Business Technology Group (KBTG)   **(June 2019 - August 2019)**
Data Science Engineer Intern
- Developed features for the K-Plus application (#1 Mobile Banking App in Thailand)
- Developed a vehicle image recognition program using Deep Neural Networks (Keras)

Projects

Desktop-Vacuum | C++
- Developed a software used to sort and clean files in a directory, both manually and automatically (listening to new additions)

A Sketchy Quest | Python
- A featured, interactive side-scrolling video game developed for the class 15-112
- Consists of a shape recgonition algorithm which allowed players to create objects by drawing them

ConvoCoach | Python
- Developed a program aimed to improve autistic children's conversational skill alongside 3 other colleagues
- The program uses cloud APIs such as NLP, speech recognition, speech synthesis

The Atlas Project - Autonomous Buggy | Python, C++
- Part of the team that works on an autonomous buggy that competes during *Carnival* annually

Coursework

15-440, Distributed Systems (*Fall 2020*)	15-210, Data Structures and Algorithms (*Spring 2020*)
15-445, Database Systems (*Fall 2020*)	15-330, Intro to Computer Security (*Spring 2020*)
15-281, Artificial Intelligence (*Fall 2020*)	15-259, Probability and Computing (*Spring 2020*)
15-300, Research and Innovation in CS (*Fall 2020*)	15-251, Great Theoretical Ideas in CS (*Fall 2019*)

Achievements and Skills

Languages: Python • C++• C • SML • Go • HTML • Thai • English • Mandarin

**TartanHacks	Best Social Welfare Hack**	(Februrary 2019)
**Red Robot Hack	Best Driving**	(October 2018)
**Thai Embassy's Database Platform	Winner**	(September 2019)