

THOMAS THURAIN TUN LIN

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EDUCATION

CARNEGIE MELLON UNIVERSITY - *B.S In Computer Science*

| AUG 2017 - MAY 2021

RELEVANT COURSEWORK:

Functional Programming, Computer Systems, Human AI Interaction, Machine Learning, Parallel & Seq Data Structures, Algorithm Design, Foundations of Programming Languages, Parallel Compiler Architecture

EXPERIENCE

AMAZON - *Software Development Intern (Planned)*

| JUN 2020 - AUG 2020

CMU CS ACADEMY - *Development Team*

| MAY 2019 - AUG 2019

- Redesigned front-end features for use in high school classrooms across all 50 states using React.
- Built prototype of image autograding script with a pixel-by-pixel algorithm to provide more accurate feedback and a visual representation of the programming errors
- Coordinated with teachers across Pennsylvania to improve curriculum

JUNI LEARNING - *Mentor*

| MAY 2018 - JAN 2019

- Taught students (K-12) Scratch, Python, Graphic Design and Web Development

NEXLABS - *Software Engineering Intern*

| JUN 2018 - JULY 2018

- Used React to help develop app that connects devices to streamline office logistics and communication

PROJECTS

SAMMYBOT THE CHATBOT

- Used Twitter API to set up a chatbot that responds dynamically to questions about the weather in Pittsburgh and the courses and facilities offered at Carnegie Mellon University

MOVIE RECOMMENDER SYSTEM

- Wrote python script using a database of movies to recommend movies to users based on preferences

GESTURE RECOGNITION

- Wrote a python script that used gyroscope data from a smart phone to identify actions, reaching an accuracy of 87% compared to the class average of 76%

LEADERSHIP

OPERATION PURIFICATION - *President*

| AUG 2015- JAN 2017

- Redesigned project aiming for long term maintenance of playground rather than regular cleanings
- Led group of 20 students in creating an area to better facilitate drop-off and pickup of children

GLOBAL ISSUES NETWORK - *President*

| AUG 2015- MAY 2017

- Planned numerous projects setting up soup kitchens, donating money to relief funds, and cleaning up the environment
- Led a group of 200 students with an aim of establishing global awareness of issues

SKILLS

- JavaScript, Java, React, HTML, CSS, Python, C++, C, SML, CUDA, Bash, Pandas, NumPy, SQL
- Adobe Photoshop, Adobe Illustrator, Krita, Blender