

Aydan A. Gooneratne

Room 349, 3333 Walnut Street • Philadelphia, PA 19104 • (484) 410-1856 • aydang@seas.upenn.edu

EDUCATION

University of Pennsylvania, School of Engineering & Applied Science - Philadelphia, PA. Exp. Graduation: **May 2023**

Bachelor of Science in Engineering in Computer Science

Minor: Economics

Cumulative GPA: 3.71/4.00

Lower Merion High School - Ardmore, PA.

Graduation: **May 2019**

GPA 5.00/5.00

TECHNICAL SKILLS

Languages: Java, Python, Bash, HTML, CSS, Javascript, Swift -iOS, OCaml, C#

Tools/Other: Nodejs, React, Git, LaTeX, Amazon Cognito, Manim, Unity, Matlab

RELEVANT COURSEWORK

Computer Science: Programming Languages and Techniques I & II, Mathematical Foundations of Computer Science, Data Structures and Algorithms, Linux and Unix Skills, Applications of Scientific Computing

Math: Single Variable Calculus, Multivariable and Vector Calculus, Engineering Probability

Physics: Electricity and Magnetism, Mechanics

Business: Microeconomics, Macroeconomics

PROGRAMMING EXPERIENCE & PROJECTS

Heroes of Light | Lead Programmer | aydangoon.github.io/Heroes-Of-Light-Site

June 2019 - Present

- Developed a 2.5D RPG game in Game Maker Studio 2
- Successfully pitched project to UPenn's UPGRADE Game Programming Club
- Lead Programmer as Heroes of Light is developed in Unity Engine

Monium LLC | Programmer | <https://monium.net/>

June 2018 - August 2018

- Programmed Mindfulness Meditation app for iOS
- Developed full user experience with Amazon Web Services

Personal Projects on Github: <https://github.com/aydangoon>

LEADERSHIP EXPERIENCE

Heroes of Light

September 2019 - Present

- Responsible for delegating tasks to programming team of five people
- Manage team work through Github

Science Olympiad Co-Captain

September 2018 - 2019

- Networked through emails and presentations at two schools to recruit an average of 30 potential members per year
- Negotiated online and in-person with over 25 other teams nationally to trade resources
- Implemented programs to facilitate team productivity, resolve interpersonal conflicts, and strengthen student motivation
- Contributed to team's 15th place National finish, achieved 2nd place in Fermi Question at Nationals

Monium LLC CEO
2018

June 2018 - September

- Led team of four to develop a Mindfulness Meditation app
- Scheduled and ran focus group to test user experience
- Built app with two factor authentication and backend database through Amazon Cognito
- Hired external voice actor to voice over 10 different meditation modules in the app