

Education & Technical Skills

The Pennsylvania State University

B.S. Computer Science**Minor:** Mathematics**University Park, PA****Expected Graduation:** May 2019**GPA:** 3.60

Work Experience

Grader (CMPSC 121, 465) | Penn State College of EECS

Jan – May 2017, Jan - Present 2018

- Assist in grading of coursework and exam covering the topic of introductory computer science topics (CMPSC 121) and data structure and algorithm (CMPSC 465) given to student taking the course.
- Held office hours to provide assistance in coursework and programming assignment to students and providing detailed feedback to help students improve their understanding of programming and algorithm design.

Learning Assistant (PHYS 211) | Penn State Eberly College of Science

Fall 2016

- Held office hours to provide guidance to students on the topic of basic physics of mechanics and assist students on homework and provided review session to prepare students for exam covering the topic

Projects

HackPSU Back End Development | HackPSU

(Node.js) | **January 2018 - present**

- Developed endpoint to the SQL and AWS database containing information regarding hackers who registered and attended to the hackathon to support other applications used by admins to maintain the flow of the hackathon.
- Developed api routes that are secured by Access Control List (ACL) to prevent any unauthorized access to database; followed basic design practice to prevent any SQL injection that might damage the database

Low-Energy Bluetooth Proximity Detection System | FedEx Service

(Java) | **September – Dec 2017**

- Develop a low-energy Bluetooth proximity detection system in the form of android application to increase workflow throughput at FedEx sortation facilitation
- Update user locations when entering a new “zone”, which is created and designated with the beacon, to ensure packages are loaded in the proper zone efficiently.
- Gained experience of agile-development team environment, and dealt with conflict that arises with other parties when utilizing the product they are provided (beacons)

Personal Website

(HTML5, CSS, Javascript) | **August 2017**

- Created a personal website to showcase completed project for professional communication development class.

Alexa++ | KentHackEnough

(Python) | **October 2016**

- Developed an Amazon Echo custom skill that retrieve and relay a list of ingredients, instructions, and related recipes based on user's desire dish to the user
- Created a python api hosted with Elastic Beanstalk to return modified data received from the Food API

Extracurricular Activities

ACM International Collegiate Programming Competition

(Python) | **October 2016 & 2017**

- Competed against teams from other schools in a difficult collegiate competitive programming competition
- Solved many difficult problems that covers many fundamental algorithm and data structure topics

Microsoft College Coding Competition

(C++) **September 2015** | *(Python)* **2016, 2017**

- Compete in a competitive programming contest sponsored by Microsoft

Code PSU | *Intermediate 1st place (2016), Advanced 23rd (2017), 3rd place(2018)*

(Python) | **March 2016, 2017, 2018**

- Competed in a competitive programming contest to solve many difficult algorithmic problem hosted by ACMPSU

Leadership Experience

Asian American Students in Action *(Coordinator)*

March 2017 – Present

- Coordinate the program that provide a smooth transition to PSU for Asian Americans and provide guidance to mentors who are there to assist their mentee(s) with this transition and help to solve any conflict that might arise.