

Suilong Luo

demolisty24.github.io

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Education

Pennsylvania State University

State College, PA, USA

BACHELOR OF SCIENCE, COMPUTER SCIENCE; MINOR: MATHEMATICS

Aug 2015 - May 2019 (Expected)

- GPA: 3.46/4.0
- Courses: Algorithm and Data Structure, Operating System, Application Programming, Introduction to Theory of Computation, Programming Language Concept, System Programming, Software Design Method
- Leadership: Asian American Student In Action (coordinator), Hong Kong Student Association (Officer)

Experience

GalxoSmithKline

Philadelphia, PA, USA

PROJECT COORDINATOR

Summer 2018

- Coordinated communication between the search engine team and 3rd-party search engine companies to evaluate their solution
- Performed detailed paper and partial technical evaluation of 3rd-party enterprise-level search engine solution to replace current search solution
- Conceptualized and prototyped an API in nodeJS that demonstrate the potential usage of a platform that is currently in development

FedEx Service

State College, PA, USA

STUDENT DEVELOPER

Fall 2017

- Designed a system of virtual gate with low energy blue-tooth beacon to increase work flow efficiency at FedEx sortation facilities
- Prototyped a native android application that updates the user's location when passing through beacon

Projects

Centralized Lifestyle Manager Designing a user-friendly centralize content manager with Javascript software stack that help manage daily tasks and allow access to their social media or other media sources in one platform

HackPSU Backend API Maintained and Improved a nodeJS API secured with ACL used to connect to the SQL and AWS database containing information regarding hackers registered and attending the hackathon to support other applications to maintain the flow of the hackathon.

Malloc Designed and and reimplemented the malloc C library

Alexa++ (KentHackEnough) Developed an Amazon Echo custom skill that retrieve and relay a list of ingredients followed by instructions, and related recipes based on user's request, and a python API hosted with Elastic Beanstalk to return modified data received from a 3rd-party API.

AlexaMD (HackDarthmouth) Conceived and designed an medical diagnosis Amazon Echo custom skill that take in an user's description of symptoms and provide a diagnosis with data from a 3rd-party API

Academia Experience

Penn State College of EECS

State College, PA, USA

LEARNING ASSISTANT/GRADER

Spring 2017; Spring, Summer 2018

- CMPSC 221 (Summer 2018): Graded coursework and held office hours to provide assistance on coursework and programming assignments to students and providing detailed feedback to help students improve their understanding of object-oriented programming in Java.
- CMPSC 465 (Spring 2018): Graded coursework on data structure and Algorithm and providing detailed feedback to student on their work
- CMPSC 121 (Spring 2017): Held office hours to provide feedback on student's understanding of introductory programming and algorithm design

Competitive Coding

2016, 2017 **Participant**, ACM International Collegiate Programming Competition

Ohio, USA

2017, 2018 **3rd Place (2018)**, CodePSU Advanced Tier

Pennsylvania, USA

2016 **1st Prize**, CodePSU Intermediate Tier

Pennsylvania, USA