Christopher Ho

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869 Peach Tree Lane
Glencoe IL, 60022

EDUCATION

University of Illinois at Urbana-Champaign   December 2019
B.S. in Engineering Physics
Minor in Computer Science
GPA: 3.77
Current and Completed Courses
- Computer Architecture, Data Structures, Discrete Structures, Linear Algebra, Quantum Physics, Thermal Physics, Theory of Relativity, Classical Mechanics I

WORK EXPERIENCE

Northwestern University iCAIR   Chicago, IL
Software Development Intern   May 2017-August 2017
- Wrote multiple backends for preexisting software (OpenNSA) to support more operating systems
- Started work on adding new functionality to the OpenNSA VLAN provisioning tool
- Trained a new intern in the basics of layer two networking
- Researched recent networking technologies such as P4 and found ideal use cases for them

STUDENT ORGANIZATIONS

Computer Science Honors   Champaign, IL
Student   September 2016-December 2016
- Collaborated with several group members to create a recipe finding application from scratch
- Assisted in coding a web scraper to fill a local SQLAlchemy database with recipes
- Final product could take in a list of ingredients and show what recipes could be made using those ingredients
- Created basic user registration and login functionality using Flask for Python
- Self-taught Flask web framework basics to make requests and handle information gathered from API requests

Illini Hyperloop RSO   Champaign, IL
Member   September 2016-May 2017
- Programmed and built a system of Arduino and Beaglebone devices to more efficiently gather data from various sensors
- Tailored the code and the hardware to fit the organization leaders' specifications
- Provided frequent updates on the state of my hardware and software progress
- Created circuits to output the correct amounts of power for given hardware and batteries

SKILLS

Computer
- Java, Python, C++, Verilog, Layer two networking