Sophia Trump

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EDUCATION

Bryn Mawr College, Bryn Mawr, PA **Major:** Computer Science
AUGUST 2016 - MAY 2020 (Expected) **GPA:** 3.9

Leadership: Co-President of Sudo Hoot (see below)

Relevant Courses: Data Structures, Discrete Mathematics, Systems Programming, Human-Computer Interaction (at Haverford College), Principles of Computer Organization, Behavioral Neuroscience (at Haverford College)
Current Courses: Analysis of Algorithms, Computational Linguistics, Intro to Linguistics

EXPERIENCE

Computer Networking and Systems Internship – *Ursinus College*
MAY 2018 - AUGUST 2018

- Assisted in the planning and redesign of the Ursinus College wireless network. Performed signal testing for proper placement of Wireless Access Points using Ekahau software. Terminated Ethernet cables to patch panels. Connected switches to the network and configured ports to VLANs.

Co-President, Sudo Hoot (Bryn Mawr Computer Science Club) – *Bryn Mawr College*
MAY 2018 – PRESENT, Member since AUGUST 2016

- Planning and organizing club activities for the 2018-2019 academic year. Communicating with Bryn Mawr College administration and outside companies to gain resources for our group and activities. Troubleshooting and developing the club's online presence.

Student Technician, Tech Support – *Ursinus College*
JUNE 2015 – PRESENT (Ongoing after Internship)

- Engaged in problem solving of technology-related issues for walk-in students and faculty. Trained 3 other employees in various computer-related skills.

TECHNICAL SKILLS

Programming Languages: C, Java, Assembly, Javascript, Processing

Software: Linux, Ekahau Site Survey (Network Design Tool), Eclipse, Windows, MS Office

Other: HTML5 and CSS3

PROJECTS

Text Adventure Game (https://github.com/sophia-grace/Text-Adventure-Game): Implemented in Java with self-designed Graph, Node, Linked List, Binary Tree, Dictionary, HashTable, and Queue classes. Utilizes breadth-first search to find shortest paths within the Graph.

Bluebus Schedule-er (https://github.com/sophia-grace/Bus-Schedule-er): Organizes intercampus bus schedules. Implemented in HTML, CSS, and Javascript.

Battleship Game (https://github.com/sophia-grace/Battleship-in-Assembly-Language): Battleship in Assembly using the Jupyter Little Computer 3 simulator and software.

Hardware/Electronics, Arduino, and Raspberry Pi: Learned the basics of Arduino and Raspberry Pi platform, the use of breadboards, and basic soldering skills.