

Sophia Trump

✉ strump@brynmawr.edu ☎ 610-409-5639 🏠 sophiatrump.com 🐙 github.com/sophia-grace

EDUCATION

Bryn Mawr College

August 2016 – May 2020 (Expected) // Bryn Mawr, PA

Major: Computer Science **GPA:** 3.9

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 // Collegeville, PA

› Assisted in the redesign and replacement of the Ursinus College wireless network. Utilized Ekahau software to perform signal testing for proper placement of Wireless Access Points (APs). Replaced 110 APs in 32 campus houses and buildings. Documented APs in the network database. Updated network wiring closets by terminating ethernet cables to patch panels and connecting Extreme-brand switches to the network. Assisted with assigning ports on switches to VLANs.

Co-President, Sudo Hoot CS Club – sudohoot.com @ Bryn Mawr College

May 2018 – Present, Member since August 2016 // Bryn Mawr, PA

› Plan and organize club activities for 2018-2019. Redesign the club website and implement SSL. Direct club officers and oversee club budget. Collaborate with Bryn Mawr College administration and outside companies to gain resources for our group. Process survey feedback and suggestions through listserv for future club programs. Create new leadership positions to assist in these new programs.

Student Technician @ Ursinus College

June 2015 – Present (Ongoing Part Time) // Collegeville, PA

› Troubleshoot technology related questions and issues for walk-in students, faculty, and staff. Train new student-techs.

EXTRACURRICULARS

Engineers and Makers Club @ Bryn Mawr College

August 2016 – Present // Bryn Mawr, PA

Neuroscience Club @ Haverford College

October 2017 – Present // Haverford, PA

Traditions Representative @ Bryn Mawr College

August 2017 – May 2018 // Bryn Mawr, PA

SKILLS

Programming Languages

Java, C, Assembly, JavaScript

Tools & Platforms

Linux, Windows, Ekahau Site Survey (Network Design Tool), Eclipse, Bash, Git

Other

HTML, CSS

Natural Languages

Spanish (Proficient)

PROJECTS

github.com/sophia-grace

Text Adventure Game

An escape game. Implemented in Java with self-designed Graph, Node, Linked List, Binary Tree, Dictionary, HashTable, and Queue classes. Utilizes Breadth First Search for game play hints.

Bluebus Scheduler

sophiatrump.com/bluebus/mycalendar.html

Website organizing Bryn Mawr and Haverford College intercampus bus schedules. Implemented in HTML, CSS, and JavaScript. Created two interfaces and conducted A/B testing. Designed third interface based on results. Documented testing and design processes.

Battleship Game

Battleship board game in computer vs. user format. Implemented in Assembly using the Jupyter Little Computer 3 simulator and software.

Electronics Self-Study

Arduino and Raspberry Pi platforms, breadboards, and soldering.

INTERESTS

Creative Writing, Volleyball, Jigsaw Puzzles, Video Games