# 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, Computational Linguistics, Programming Languages, Systems Programming, Human-Computer Interaction (at Haverford College), Principles of Computer Organization, Behavioral Neuroscience (at Haverford College)

*Current Courses:* The Science of Data Ethics (at the University of Pennsylvania) and Concurrency and Co-Design in Operating Systems (at Haverford College)

## 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, Haskell, Python, C, Assembly, Javascript

**Tools & Platforms**
Linux, Windows, Mac OS, Ekahau (Network Design Tool), Git

**Other**
Basic Machine Learning, 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.

**Java Lexer**
A Java Lexer written in Haskell. Handles token forms according to the Java Language Specification and disregards comments.

## INTERESTS

Creative Writing, Volleyball, Jigsaw Puzzles, Video Games