

Robert A. Holmes

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Objective

Student seeking to gain experience in and further develop a passion for computer science through an internship opportunity, leveraging technical and communication skills acquired through a rigorous education and previous internship experiences.

Education

Bachelor of Science | May 2021 | College of Engineering, Vanderbilt University, Nashville, TN

<u>Major:</u>	Computer Science
<u>Second Major:</u>	Political Science
<u>Cumulative GPA:</u>	2.84
<u>Related coursework:</u>	Intermediate Software Design, Data Structures, Probability and Statistics, Algorithms (Spring 2020), Database Management Systems (Spring 2020)

Skills & Abilities

Software

Proficient with C++ and object-oriented programming, Windows, Git | Experienced with Java, HTML5, CSS, MySQL, Python | Familiar with JavaScript

Communication

Demonstrated keen communication and teamwork abilities in both prior work experience and in the classroom setting, where computer science students are often tasked with group projects.

Leadership

Pi Kappa Alpha Fraternity, Sigma Chapter: Sergeant at Arms, 2019 Calendar Year

Sample Projects

Personal Website: <http://holmera1.github.io> (see for additional information and projects)

Stardew Valley Game Companion Web Application:

- Web application that helps Stardew Valley players track bundle completion while displaying relevant item information
- Will allow users to track progress for multiple profiles by exporting and importing save files for each world

Sudoku Board Solver:

- Python application that solves a user-generated 9x9 sudoku board, or notifies the user if their board is unsolvable
- Employs a recursive backtracking algorithm to minimize solve time

Employment

Summer IT Intern | Millennium Physician Group | May 2019 – July 2019

Worked with the Millennium Physician Group's Networking and Technology Innovation Services to ensure the preservation of a smooth daily experience for over 470 healthcare providers and their patients. Projects included tasks such as patching EternalBlue vulnerabilities on identified machines and conducting hardware and software refreshes on provider networks. Fast-paced work environments allowed for little operational downtime.

Residential Counselor | Duke TIP | June 2018 – July 2018

Responsible for residential oversight of youth groups at an educational summer program. The highest level of effective communication and teamwork was necessary to ensure safety and enjoyment for all participants.