

# 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, Database Management Systems, Operating Systems

## **Skills & Abilities**

### **Software**

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

### **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)

### **League of Legends Historian Full Stack Application:**

- Web application that provides users with a snapshot of the most popular and successful strategies for previous patch versions of the multiplayer online game League of Legends using data from over 180,00 matches
- Backend structures functionalities developed using MySQL and MySQL Workbench, frontend designed using PHP, JavaScript, HTML and CSS

### **Sudoku Board Solver:**

- Python application that solves a user-generated 9x9 sudoku board using a recursive backtracking algorithm, or notifies the user if their board is unsolvable

## **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.