

## Permanent Address

12503 Old Yates Ford Road  
20124 Clifton, VA

# Eric Hesse

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## Current Address

506 Golden Harvest Cir.  
24060 Blacksburg, VA

**Objective:** A motivated and hard-working computer science student looking to acquire a full-time position in an interactive, innovative, and challenging technical environment.

## Education

**Virginia Tech** – Blacksburg, VA | May 2022

Major: Computer Science

Minor: Mathematics

GPA: 3.49

Relevant Coursework: GUI Development, HCI, Operating Systems, Computer Architecture, Data & Algorithm Analysis, Software Engineering, Combinatorics, Cryptography, Differential Equations

## Experience

**Web Development Intern** | CACI – Chantilly

2020

- Fulfilled role as a web developer on the CACI TSCSG team.
- Made updates to an internal SharePoint website to enhance scheduling system.
- Assisted with the setup and configuration within a cloud-hosted environment AWS (Amazon Web Services).
- Reviewed cybersecurity policies related to new projects.

**Production Technician** | Virginia Tech

2018-2020

- Responsible for preparing and dismantling audio, sound, and light equipment for public events across campus.
- Experience with inventory and teamwork.
- Interacted with customers and clients on daily basis

## Projects

**Personal Secure Server**

- Used principles of internetwork communication (HTTP/ TCP) along with JSON Web Tokens to implement a basic concurrent server.

**Threadpool**

- Created a small fork/join framework that allows the parallel execution of divide-and-conquer algorithms

**MIPS32 Assembler**

- Implemented an assembler that supported translation of MIPS32 assembly language to machine code

**Custom Shell**

- Developed simple job control shell similar to the functionality implement by BASH

## Skills

- Software – C, Java, Python, Linux, AWS, MATLAB, HTML, CSS, JS
- Parallel Programming
- Object Oriented Programming

- Microsoft Office
- Autodesk Inventory/CAD
- English (Native)
- Spanish & Portuguese (Proficient)

## Activities

**Sigma Phi Delta Engineering Fraternity** | Virginia Tech

2020-Present

**VTHacks** | Virginia Tech

2020

**Cybersecurity club** | Virginia Tech

2018-2020

**Spikeball club** | Virginia Tech

2018-Present