

Clifton, VA 20124

www.erichesse00.com

Eric Hesse

erichesse23@gmail.com

703-309-2245

Objective: A motivated and ambitious 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: 3.5

Relevant Coursework: Machine Learning, Bioinformatics, 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