

Edward L. Gustin

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OBJECTIVE

- To obtain a position as a software engineer in backend development and server design using Docker, Kubernetes, or related software. Interested in low-level computer system operations, data structure implementations, artificial intelligence, and cybersecurity using C/C++, Python, Java, and RegEx.

EDUCATION AND TRAINING

- **B.S. Computer Engineering (GPA 3.16/4.0) - Virginia Tech**, Blacksburg, VA May 2023
- Concentration in Networking, Cybersecurity, and Software Systems, Computer Science Minor
- **A.S. General Engineering (GPA 3.75/4.0) - Tidewater Community College**, Norfolk, VA May 2020

EXPERIENCE

Technical Writer, IT Security Office Documentation Team - VA Tech Department of IT June 2022-Current
Blacksburg, VA

- Utilize cybersecurity knowledge to develop security procedures for Windows, Mac OSX, and Linux operating systems to mitigate the risk of cyber-attacks on VA Tech students and faculty
- Create, update, and verify Enterprise documentation using GitLab
- Create workflow diagrams and videos to guide users through IT security protocols

Computer Technician - Goodman Enterprises July 2014-November 2015
Virginia Beach, VA

- Installed computer hardware, software, and networking equipment for a variety of business customers
- Performed troubleshooting and customer issue resolution including virus and malware removal

COMPUTER SKILLS

- **Programming Languages:** C/C++, Java, Python, Swift, MATLAB, JSON
- **Software:** Qt5, Docker, Kubernetes, RegEx, Git
- **Operating Systems:** Mac OSX, Microsoft Windows, Linux (Ubuntu, Kali)

PROJECTS

- Global Positioning using Computer Vision Star Triangulation – General Dynamics Mission Systems
- Network Crawler to Determine Security Vulnerabilities in OT Devices
- DPLL Boolean Satisfiability Solver [Python]
- Fast Fourier Transform Solver [C++]
- GIS Hash Table and Quad Tree Coordinate Sorter and Aggregator API [Java]
- Networking with RESTful API and Socket style programming [Python, JSON]
- Bayes Networks and Search Algorithms [Python]
- Multithreaded Assembly Code Simulator and IDE in the Qt5 GUI Framework [C++, Qt5]

HONORS, AWARDS, AND MEMBERSHIPS

- **Eagle Scout**, Troop 24 BSA, Norfolk, VA
- IEEE Computer Society Student Member
- INCOSE Student Member
- Phi Theta Kappa Honor Society
- National Technical Honor Society

COMMUNITY INVOLVEMENT

- VT Overclocking Club – Discord server design and setup
- Nauticus MATE ROV Program – Props Building Team