

# ALEXANDRIA BURCHFIEL

Nashville and  
Middle Tennessee

(615) 920-3580

[www.linkedin.com/in/aburchfiel](http://www.linkedin.com/in/aburchfiel)

[diorburchfiel@gmail.com](mailto:diorburchfiel@gmail.com)

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## OBJECTIVE:

To obtain a full-time computer science position beginning May 2025 in a cyber-security correlated environment, where I can utilize my formal education, skills, and preparation in computer science.

## EDUCATION:

### Tennessee Technological University

Cookeville, TN

Bachelor of Science / Computer Science

May 2025

Cybersecurity and Information Assurance Concentration

GPA: 3.74 | Consistent Dean's List | Presidential Scholar

- Graduating at 18 years old

### Volunteer State Community College

Gallatin, TN

GPA: 3.95 | Consistent Dean's List

May 2022

## ENGINEERING EXPERIENCE:

### COMPUTER SCIENCE INTERN/ LEAD QA

Cookeville, TN

ARCS Aviation

February 2024 - Current

- Managed app security independently
  - producing/configuring and embedding root CA certificates into Android apps
  - networking and HTTPS/SSL connection across all devices to be deployed
  - Developed scripts for network security configurations and security management/manifestos for several apps to ensure security of the application
  - Project network/cybersecurity troubleshooting and Optimization for contracts with the DoD
- Game Development/ Quality assurance
  - Developed several unity projects that utilized netcode and other networking utilities for multiplayer games and use of client/host server abilities. Platforms: VR/AR/PC.
  - UI/UX and system design of proposed projects for handing off to a team of developers to implement
  - Developed and designed test plans, scenarios, scripts, and procedures as QA
  - Collaborated with a team of developers to resolve issues and optimize project performance for VR/XR projects

- Utilized advanced technologies such as Microsoft HoloLens, Visual Studio, and Unity to conduct VR/XR testing and debugging
- Code development for VR/XR
- Worked in an agile environment, adhering to SCRUM principles, which involved participating in daily stand-up meetings, sprint planning, and iterative development processes
- Developed technical user manuals for projects to aid in ease of use

**CSSLP PREP CERTIFICATE 1** | Certified Secure Software Lifecycle Professional *September 2023*

- Secure Software Concepts, topics in Software Development Security

## **OTHER WORK EXPERIENCE:**

**The Chop House**

**Hendersonville, TN**

Hostess

*August 2022 - January 2023*

- Utilized digital software to ensure quick seating time and direct customers
- Ensured quick customer service and scheduled appointments a year in advance

## **CAMPUS ORGANIZATIONS and LEADERSHIP INITIATIVES:**

### **TN TECH ESPORTS**

Team Member/ Club Member | VALORANT PURPLE

*January 2023-Present*

- Collaborated with a team of 5 members to schedule, compete, and strategize against other colleges in competitive game environments

**SKILLS:** Networking, VR/XR, C++, C#, SCRUM Principles, Python, Java, DevOps, Circuits, Data Structures and Algorithms, SolidWorks, AutoCAD, Virtual Machines, SQL, Bash, DBMS, Spatial Computing, Unity, VCS

Linkedin Profile QR Code

