

Alexander Weir

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EDUCATION

B.S. in Computer Engineering

Anticipated May 2028

Liberty University, Lynchburg, VA

- Earned 50+ college credits at Central Piedmont Community College
- Member of Phi Theta Kappa Honor Society and named to the CPCC President's List and Liberty Dean's List
- System Administrator for the High-Performance Computing Club and a Linux Administrator for the CCDC team

CERTIFICATIONS

- CompTIA A+, Network+, Security+, and Linux+
- Microsoft 365 Fundamentals, Azure Fundamentals, and Office Associate
- Certified SolidWorks Associate (CSWA)

TECHNICAL SKILLS

- Languages (basic knowledge): Java, Python, C#, C++, JavaScript, Bash, Batch, and PowerShell
- Operating Systems: Windows, macOS, and Linux
- Tools and Software: VirtualBox, VMware, vSphere, Azure, Apache2/nginx, Git, Drupal CMS, Excel, and SolidWorks
- Other: several years of A/V volunteer experience, particularly in sound

WORK EXPERIENCE

Cabinetmaker's Apprentice, Old School Joinery, Waxhaw, NC

May 2021 – August 2024

- Assist with assembling face frames and cabinets
- Use shop machines to route, cut, shape, and plane raw wood

Maintenance Technician, Christ Covenant Church, Matthews, NC

January 2024 – August 2024

- Assist with the maintenance, repairs, and upkeep of the Christ Covenant Church and Covenant Day School campus
- Assist with plumbing, drywall, painting, carpentry, and electrical work

A/V Technician, Liberty University, Lynchburg, VA

November 2024 – Present

- Operate various production-quality cameras for and during large live events

Engineering Intern, Valmet, Charlotte, NC

May 2025 – August 2025

- Design components using SolidWorks for use in high-heat, corrosive environments in and around power and recovery boilers
- Automate SolidWorks assembly design processes using AutomateWorks

PERSONAL PROJECTS

- Built a custom PC to run CAD software
- Replaced home router with PC running OPNsense and set up a home lab with HTTP, FTP, Samba, and SSH servers on Ubuntu Linux
- Ran a Minecraft server and web server for students at an online school, using a Microsoft Azure Virtual Machine, Apache HTTP Server, and Drupal CMS, as well as regular expressions and bash scripting for log organization and Google Sheets and Forms for user tracking and data visualization

ACHIEVEMENTS

- Reached the grade of Cadet Chief Master Sergeant in the Civil Air Patrol
- Team reached first in North Carolina in the CyberPatriot XII cybersecurity competition