

Ethen Brandenburg

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To Whom It May Concern,

As my resume states I am a rising senior at Old Dominion University Online. I have had several years of computer and programming experience in personal projects and some high school projects. I have spent the greater part of my life working on IT-based skills such as proficiencies in Windows, Linux (multiple flavors), and even ranging to CISCO-branded switches and routers. I have also had experience with networking and ethical hacking and using tools such as Metasploit and NMap. I practice my skills on TryHackMe and HackTheBox Academy online when I'm not working on my studies in cyber security.

I currently mentor a high school competitive robotics team in Chesterfield, Va, and I also volunteer in key technical positions at competitions. I have been part of FIRST Robotics for over one decade. During that time I worked with four different robotics teams, competing and volunteering in over 50 competitions. As a key volunteer for FIRST, I get to work with FIRST Headquarters and with many different teams. I get to troubleshoot and fix their robots to make the competitions run smoother. These opportunities have since provided me with many experiences in things like quick problem-solving, and leadership skills. Additionally, it has allowed me to not only continue obtaining multiple technical abilities but to put what I've learned towards helping others master the same things.

Through my years of robotics, I have taught myself a few programming languages such as Java, C++, VB.Net, and Python. Most of the programming I did was based all around my robotics team and was used in many successful competitions throughout the years. A few projects that I have publicly published are located on my Github Page, linked at the bottom of this letter. My projects consisted of TCP and UDP programming in Python, VB.Net, and Python. Along with some SQL database management and some real-time industrial controls via Modbus TCP. I am constantly trying to learn more skills in programming and cybersecurity in my spare time.

After I obtain my degree, my ultimate goal is to make a career in ethical hacking, testing, and analyzing systems. I hope to land a job as a penetration tester or a cyber security analyst in the future.

Sincerely,

Ethen Brandenburg

