Alexander Davis

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PERSONAL SKILLS:

- Strong understanding of C and C++, including multithreading, sockets, and graphic libraries (SDL and Qt) on both linux and windows based systems with a strong focus on security.
- Fluent in python, Java, and php. With understanding of databasing languages such as MySQL.
- Used multiple version control systems in previous large projects, such as SVN, git, Razor, and Rational Clearcase.

PROFESIONAL EXPERIENCE:

GuidePoint Security, FL   April 2014 – present
Information Assurance Security Intern.

- Perform internal and external security assessments and penetration tests against large corporate and government networks.
- Developed tools and scripts to expose potential security vulnerabilities.
- Experience exploiting nonstandard systems, such as VXworks, fiber switches, solaris servers, and voip phone solutions.

Lockheed Martin. Palm Beach, FL   March 2013 – August 2013
Sr. Computer Science and Information Technology Intern.

- Developed code to interpret joystick data which was used in production systems.
- Manage and optimize multi-threaded applications for retrieval of data from under sea systems.
- Installed multiple servers, networking switches, and network backup devices. Completed a full rewiring of the server room to increase productivity and reduce troubleshooting time in case of network issues.

EDUCATION:

University of Central Florida

- Information Technologies degree with a strong focus on computer science.
- Current GPA: 3.50

ADDITIONAL SKILLS:

- Competed and placed first at national CCDC competition.
- Real world information security and security auditing experience.
- Knowledge of various microcontrollers, including NI compact-rio, arduino, TI Launchpad, various PIC microcontrollers, and the raspberry pi.
- Previous Vice President of the Collegiate Cyber Defense Club @ UCF.
- 4 year member of Nature Coast FIRST robotics club, focusing on electrical systems and program design. Captain during 4th year of participation.
- Can quickly adapt to new project environments and integrate with project team.
- Strong focus in information security. Uses proper safe coding practices while developing applications.

PREVIOUS PROJECTS:

- Created an IRC bot using winsock2 in C++ which texted channel notifications with CURL and a SMS exchange.
- Programmed a top down RTS game engine in C++ using SDL as the graphics engine.
- I'm working on new projects every day. Please ask me, I love talking about them!