

Stephen J. Haffner

71 W. Oakland Ave, Columbus, OH 43201 — 513.969.6754
stephen@kd8zev.net — haffner.me — github.com/yupyupp

OBJECTIVE	Full-time security research position for Summer or Fall 2017 applying experience in reverse engineering and vulnerability analysis.
EDUCATION	The Ohio State University , Columbus, OH BS Computer Science Engineering - Major GPA 3.76 - Expected May 2017 Specialization: Information and Computation Assurance
SKILLS	Languages: C/C++, Java, C#/VB.net, Python, POSIX Shell, MATLAB Source Control: Git, Subversion, TFS Editors/IDEs: Vim, Visual Studio, Eclipse, QT Creator Compilers/Debuggers/Disassemblers: gcc, gdb, clang, Radare2, IDA Pro, BinWalk, PE Explorer Operating Systems: Unix/Linux (RHEL, Debian, Arch, FreeBSD), Microsoft Windows Server Software: Apache/Nginx/IIS, MySQL/MS-SQL, KVM/XEN/Docker Misc. Software: Nmap, bind-utils, bridge-utils, WireShark, LaTeX, MS Office, SolidWorks CAD
COURSEWORK	Current: Information Security (lecture & lab), C++ Programming, Software Capstone, Artificial Intelligence Past: Software I & II, Foundations of CS I & II, Networking, Formal Languages & Automata, Game Dev. Project, Electrical Engineering I & II, Honors Robot Design Course, Ethics of Computing
EMPLOYMENT	PreTalen , Dayton, OH Reverse Engineering Intern (Summer 2016) <ul style="list-style-type: none">Reverse engineered and implemented a handler for a proprietary binary protocol using Wireshark and IDA ProWrote a Wireshark protocol dissector to further analyze patterns in reversed protocol OARnet , Columbus, OH Network Management Student Employee (Spring 2016 - Present) <ul style="list-style-type: none">Wrote and maintained software and scripts to help maintain state-wide networksUpstreamed organization's fork of an open source BSD utility ArcelorMittal , Indiana Harbor, IN IT Applications Intern (Summer 2015) <ul style="list-style-type: none">Communicated with business users to define project specificationsMaintained existing applications and developed new applications for use by the HR department
PROJECTS	MeeBee: Secure Storage Backend (2015 - Present) <ul style="list-style-type: none">Modular design for use with multiple protocolsUses libsodium to protect user data with both symmetric and asymmetric encryptionCustom multi-threaded Unix web socket used for testing Personal Server Network (Ongoing) <ul style="list-style-type: none">Hosting redundant mail server for personal useHosting Git server for personal documents and projects Game Development Project Class (2015) <ul style="list-style-type: none">Worked with an assigned team of four to create a 2-D side-scrolling gameUsed C#, Microsoft Visual Studio, and XNA development framework to create a working Super Mario clone FEH Robot Design Class (2014) <ul style="list-style-type: none">Worked with team to design, build, and test an autonomous robotUsed C/C++ to program a Proteus micro controller to power the robot
CERTIFICATES & AWARDS	ISACA - CSX Cybersecurity Fundamentals Certification (2016) Boy Scouts of America Eagle Scout Rank (2010) YMCA Character Award (2010)
CLUBS & ACTIVITIES	OSU-CTF Security Club (2016 - Present) OSU Open Source Club (2013 - Present) OSU Amateur Radio Club (2014 - Present)