

JON PUGH

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EDUCATION

Texas State University
B.S. in Computer Science
Minor in Physics
Expected graduation: May 2019

August 2016 - Present

EXPERIENCE

Best Buy
Geek Squad Advanced Repair Agent

October 2010 - Present
Austin, TX

- Utilize advanced troubleshooting skills to identify and repair computer issues.
- Perform computer maintenance, such as virus removal, optimization, and data migration while adhering to strict client data privacy guidelines.
- Perform hardware and software upgrades.
- Led a project to wire the Geek Squad work area with 48 Ethernet-capable stations. This project consisted of creating a proposal that was accepted by leadership, running CAT5 Ethernet to each station, and terminating each connection to produce organized and functional cable management. This design has been successfully in place for the last 3 years.

PROJECTS

Nwns - An Ncurses Wireless Network Scanner

- Detects nearby wireless networks and displays SSIDs, MAC addresses, and frequency information.
- Ncurses interface allows usage in any terminal without a dependance on a desktop environment.
- Permissive licensing enables community and commercial collaboration.

ImageSteganography

- Utilizes steganography to mask data in an image.
- Provides an intuitive user interface that allows users of all skill levels to utilize steganography.
- Project included working in an Agile development environment which utilized sprints to implement major software revisions.

x86_64 Disassembler

- Translates instructions stored in an ELF binary to readable assembly language code.
- Parses the binary's ELF header and translates supported assembly instructions.

TECHNICAL STRENGTHS

High-Level Languages	C++, C#, C, Java, Python
Assembly Languages	x86_64, MIPS
Scripting Languages	Bash, Windows batch
Operating Systems	Various GNU/Linux Distributions, Windows, macOS
Tools	Eclipse, Visual Studio, GCC, LaTeX, Vim, Intel Pin, Git