

# JON PUGH

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## EDUCATION

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### Texas State University

B.S. in Computer Science  
Minor in Physics

Expected graduation: May 2019

August 2016 - Present

## EXPERIENCE

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### 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

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### 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 dependence 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

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### 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