SEAN GILLEN

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github.com/TortoiseWrath

EDUCATION

The University of Alabama, Tuscaloosa, AL
Bachelor of Science in Computer Science   May 2020
Minor: Mathematics   *Honors College*   *GPA: 3.7/4.0*
- Member of Association for Computing Machinery student chapter
- Head of competitive programming club (Jan 2019 – present)

WORK EXPERIENCE

IT Contractor   **Forget Me Not Animal Shelter**, Republic, WA   Sep 2017 – present
- Developed a new web back-end using PHP and MySQL
- Maintained web front-end using HTML, CSS, JavaScript, and jQuery
- Installed administrative web applications using Python and web.py on a LAMPy stack
- Installed and maintained Windows desktop computers on a workgroup network
- Migrated email to G Suite and wrote maintenance scripts using Google Apps Script

IT Contractor   **The Anonymous Press**, Malo, WA & Chicago, IL   Apr 2013 – Nov 2018
- Analyzed order data to minimize warehousing costs using Python and Excel VBA
- Ported web back-end scripts from ASP to PHP and migrated website to a LAMP stack
- Developed PHP scripts to move data between third-party order management APIs
- Developed a PHP application to generate sales reports from a MySQL database
- Maintained various PHP and JavaScript web scripts, including migration to PHP 7

PROJECTS

Quantum Trivia Takeover   qtriv.com   Jan 2019
A trivia and strategy game demonstrating basic quantum computing mechanics, built with a
Angular/TypeScript front-end interfacing with a Python-based REST API running on Flask using
IBM's Qiskit quantum computing library.

Super Hyper Advanced Search Tool VII   shast7.com   Dec 2018
A tool to visualize price distribution of eBay listings on a JavaScript and CSS-based histogram with a
PHP back-end interfacing with eBay's Finding API.

RAM Allocation Utility   *(obsolete)*   Jul 2012
A VB.NET application to alter the amount of memory allocated to the game Minecraft by its 2012-era
Java launcher.

SKILLS

Programming Languages: **C++, C, JavaScript, TypeScript, SQL,** Python, PHP, Perl

Tools/Frameworks: **Angular, Flask, git,** jQuery, Linux/Unix, bash, Windows Batch