SEAN **GILLEN**

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github.com/TortoiseWrath

PROFESSIONAL EXPERIENCE

Software Engineer Intern, **Google**, Mountain View, CA (remote)   May 2020 – Jun 2020
- Contributed to tracing and benchmarking tools for the Fuchsia operating system
- Migrated C++ tests to Dart to simplify Fuchsia testing system
- Modernized the Fuchsia benchmark specification format and removed legacy code

Software Development Engineer Intern, **Amazon**, Seattle, WA   May 2019 – Aug 2019
- Designed an internal API using a JAXB-like schema and specialized RPC framework
- Implemented a Spring application to make API calls using serialized objects from a database
- Defined a JSON schema and implemented recursive processing logic using Java 8 and Lombok

IT Contractor, **Forget Me Not Animal Shelter**, Republic, WA (remote)   Sep 2017 – Mar 2020
- Automated website updates using PHP and a MySQL database
- Maintained web front-end using HTML, CSS, JavaScript, and jQuery
- Migrated administrative Python applications to the web using web.py on a LAMPy stack

IT Contractor, **The Anonymous Press**, Chicago, IL (remote)   Apr 2013 – Dec 2019
- Wrote Python and Excel VBA scripts to analyze sales data and optimize procurement
- Implemented responsive web homepage using HTML5 and JavaScript
- Developed PHP scripts to automate order fulfillment using third-party APIs
- Automated sales report generation from a MySQL database

EDUCATION

The University of Alabama, Tuscaloosa, AL   College of Engineering & Honors College
Master of Science in Computer Science   May 2021
Bachelor of Science in Computer Science, *cum laude*   Minor: Mathematics   May 2020

- Competitive programming team captain   Spring 2019
- Active member of Association for Computing Machinery student chapter
- National Merit Finalist & Presidential Scholarship recipient

PROJECTS

Quantum Trivia Takeover   qtriv.com   Jan 2019
A trivia strategy game demonstrating basic quantum computing mechanics, built with an Angular/TypeScript front-end and a Python/Flask back-end using IBM Qiskit.

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.

SKILLS

Programming Languages:	C++, C, Dart, JavaScript, TypeScript, Java, Python, PHP, Perl
Tools and Frameworks:	Git, Lombok, JUnit, Linux, Angular, SQL