

Joshua Hight

(408) 439-4798

www.github.com/joshbooks

joshbooks@gmail.com

San Francisco, California

Work:

Software Engineer, Backend/Kernel - Rubrik Inc

Oct 2017 - Present

Pair programmed an implementation of Log Shipping that meets or exceeds all the functionality provided by Microsoft SQL Server Log Shipping. Then thought of and began a research project for a Microsoft File System Filter Driver to replace Log Shipping.

Software Engineer, Security - ThinAir Labs

Apr 2016 - Sep 2017

Built ThinAir's indexer, which indexes the contents of all endpoints in an organization, provides an interface to search the indexed contents, and protects documents determined to contain sensitive content. All without compromising on privacy or data security.

Software Engineer, Analytics - IBM

May 2013 - Apr 2016

Developed an automated replacement (essentially a transpiler) for manual OS/390 release process. Designed algorithm for analysis of source parts and implemented using Java, Bash, and Ant.

Play:

OnionDrop - A Python/Flask service on AWS for communicating with .onion sites that guarantees the same security and anonymity as hosting one.

asmUtil - A collection of Bash utilities to simplify writing self modifying x86_64 code

WhiteRAT - Remote Access Tool that leverages BitMessage, written in Python.

geneticFactorTree - C++ genetic algorithm implementation written from first principles.

Education:

University of San Francisco

B.S. Computer Science - 2015

Skills and Languages:

- Security Programming
- Parallel Programming
- C/C++
- Bash
- Make
- Git
- x86/x86_64 assembly
- MacOS/Windows Kernel Programming
- Objective-C
- Xcode/Xcode Build Server
- Linux/Unix Programming Interface
- IntelliJ and Eclipse
- Java
- Scala
- High Performance Text Processing
- Tika and Lucene
- Maven and Ant
- Travis CI
- Python
- Reverse Engineering
- API and Schema Design