Sonny **Shi**

SOFTWARE ENGINEER

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Experience

White Castle
SOFTWARE ENGINEER INTERN
- Design and Implementation of Web Application for tracking loss prevention in individual locations, regions, and districts
- Implementation of Corporate Hierarchy Software in SQL and corresponding desktop application
- Improvement of compatibility of existing SQL scripts with MS SQL Server 2014

Columbus, OH
October 2015 - PRESENT

Hewlett-Packard
SOFTWARE ENGINEER INTERN
- Design and Implementation of developer and testing tools for documentation of bug fixes and testing
- Debugging and fixing of high and critical defects from database defects to front end Bootstrap problems
- Presentation of responsive web design and responsive web frameworks

Dublin, OH
April 2014 - July 2015

Summer at the Edge/Year at the Edge at Wright State University
RESEARCH INTERN
- Design and Development of RESTful Virtual World creation software with Java
- Project lead on Ninth Day Project
- Redesign of employee handbook in Adobe InDesign
- Research and Documentation for Smart Glove Project

Dayton, OH
July 2013 - December 2013

Other Projects

What's Happening
GIVEBACKHACK 2015 WWW.WHATSHA.COM WWW.GITHUB.COM/THISISSHI/WHATSHAPPENING
- SMS based application to assist local parents with finding events to go to with their children
- Engineering of Event Scraper, Database Schema, Designed and implementation of product landing page as well as social media assets
- Built on Ruby on Rails, Twilio, PostgreSQL, Bootstrap, Flexbox, and deployed via Heroku in under 24 hours

Columbus, OH
April 2015

Angular Frequency Analyzer
INDEPENDENT PROJECT WWW.GITHUB.COM/THISISSHI/AngularFrequencyAnalyzer
- Assists with the breaking of simple ciphers such as Caesar Shifts or other monoalphabetic substitution ciphers
- Using built in Javascript and Angular libraries, the web application displays the frequency of characters in a user submitted field and compares it to average character frequency in the English language

Columbus, OH
September 2015

Mechanical Keyboard Firmware
INDEPENDENT PROJECT WWW.GITHUB.COM/THISISSHI/TMK_KEYBOARD
- Design and deployment of custom keyboard firmware, written in C

Columbus, OH
July 2015

Education

The Ohio State University
B.S. IN COMPUTER SCIENCE AND ENGINEERING, CUMULATIVE GPA: 3.1
- Additional Studies: Typographic Design, Interactive Arts Media, Codes and Code-breaking
- Extracurricular Activities: Open Source Club, Society of Asian-American Scientists and Engineers, Association of Computing Machinery, Mobile Apps Club

Columbus, OH
August 2012 - May 2016

Languages & Skills

Languages	Java, C, Ruby, Javascript, C#, Visual Basic
Frameworks	Ruby on Rails, Bootstrap, Skeleton, Flexbox, ASP.NET
Database	MSSQL, MySQL, PostgreSQL
Markup	HTML, XML, Markdown, LaTeX
Design	Adobe Photoshop, Adobe InDesign, Adobe Illustrator
Other	English, Chinese (conversational), Spanish (limited), Mechanical Keyboards