

Timothy J. Rogers

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EDUCATION

University of Illinois at Urbana-Champaign, Champaign, IL, USA

Bachelor of Science in Computer Engineering

Aug 2011 – May 2015

Relevant Coursework

- Computer Systems Engineering
- Computer Organization & Design
- Computer Security II
- Artificial Intelligence
- Machine Learning
- Data Structures

WORK EXPERIENCE

Wolfram Research, Inc., Champaign, IL

Web Engineer

Dec 2015 – Present

- General Duties: Development for Wolfram Cloud and Wolfram Enterprise Private Cloud, architecting cloud infrastructure, optimization of established code base, performance data analysis, designing application-specific cloud systems in coordination with clients
- Languages: Python, Java, C++, SQL, Unix Shell, PHP, JavaScript, XML, JSON, Wolfram Language, Perl
- Software: Mathematica, Visual Studio, LAMP Stack, Tomcat, AWS (S3, EC2), Zabbix, Elastic Search, Git, Fabric, Redis, JIRA

Wolfram Research, Inc., Champaign, IL

Systems Engineer

May 2015 – Dec 2015

- General Duties: Testing cloud software and infrastructure, designing and creating cloud infrastructure, developing cloud solutions in coordination with clients, aggregating performance data, coordinating inter-team solutions to cloud issues
- Languages: Python, Shell, SQL, PHP, JavaScript, XML, JSON, Wolfram Language
- Software: Mathematica, LAMP Stack, Tomcat, AWS (S3, EC2), Nagios, Munin, Zabbix, Elastic Search, Git, Fabric, Redis, JIRA

Wolfram Research, Inc., Champaign, IL

Global Technical Operations Intern

May 2014 – May 2015

- General Duties: Automating tests for network and infrastructure systems, analyzing system data, creating test beds for Linux and Windows systems, maintaining inter-team documentation and communication
- Languages: Python, Shell, PowerShell, XML, JSON, Wolfram Language
- Software: Mathematica, LAMP Stack, Nagios, Munin, Zabbix, Git (Stash), NMap

SKILLS

LANGUAGES

- Proficient in: Python, C++, Java, C, SQL, Unix Shell, C++, C, WolframLanguage
- Have used: JavaScript, Powershell, PHP, Android

SOFTWARE

- Proficient with: Git, Apache, Tomcat, MySQL, AWS (S3, EC2), Mathematica, Visual Studio, Android Studio, MariaDB, Nagios, Zabbix
- Have used: Munin, Elastic Search, Fabric, Kibana, WEKA, Android Studio, MongoDB, Eclipse, IntelliJ

PROJECTS

Gathering for Magic

Android application for finding nearby Magic: The Gathering players, chatting, and meeting up to play.

- Languages used: Android, JavaScript (Node.js, Socket.io)
- Software used: Android Studio, MySQL

Wolfram Language + JIRA API Integration

Fully compatible Wolfram Language wrapper for JIRA API for use in custom JIRA interfaces.

- Languages used: Wolfram Language
- Software used: Wolfram Desktop, Wolfram Cloud, JIRA

Real-time Monitoring Dashboard

Interactive dashboard to display real-time performance metrics about cloud systems.

- Languages used: Python, Wolfram Language, Shell
- Software used: Mathematica, Wolfram Cloud, Elastic Search, Munin

Python Wrapper for Riot Games API

Python library providing a wrapper for the Riot Games League of Legends API.

- Languages used: Python, JSON

See more at github.com/Choiseul11.