Timothy Kelly

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EDUCATION

MICHIGAN STATE UNIVERSITY
BS in Computer Science
Minor in Mathematics
College of Engineering
Honors College
Dean's List (All Semesters)
Graduated May 2018 | East Lansing, MI
Cum. GPA: 3.95

JACKSON COLLEGE
High School Dual Enrollment
Fall 2013-Spring 2014 | Jackson, MI
Dean's List (All Semesters)
Cum. GPA: 4.0

LINKS

Github:// **timjkelly**
LinkedIn:// **tjkkelly**

COURSEWORK

UNDERGRADUATE
MSU Capstone Experience
Introduction to Python & C++
Algorithm Engineering & Data Structures
Computer Organization & Architecture
Unix Tools and Scripting
Software Design & OOP
Operating Systems & Compilers
Computer Networks & Security
Abstract Algebra & Number Theory
Linear Algebra & Real Analysis

SKILLS

GENERAL
Leadership • Written & Verbal
Communication • Agile • SAFe • TDD
PROGRAMMING
Docker • Kubernetes • C# • C++ • C •
Python • Java • .Net • .Net Core • .Net
Standard • .Net CLI • ASP .Net Core • EF
Core • Azure • AWS • GitHub • Splunk •
LATEX • Moq • MS Media Foundation •
NodeJS • React • Hardware and Software
Trans-coding • Unit/Integration Testing •
CI/CD
Tools:
Visual Studio (Windows/Mac/Code) •
JetBrains Rider • Vim • NetBeans •
Command Line (Unix/Windows) • Azure
(Portal/DevOps) • TeamCity

EXPERIENCE

TECHSMITH CORP. | Cloud Platform Software Engineer
July 2018 – Present | Okemos, MI
- Designed and implemented ASP .Net Core Web APIs.
- Created and configured continuous builds, unit tests, integration tests, and deployments in Azure DevOps for .Net Core Projects using Docker containers and Kubernetes.
- Experimented with running hosted agents in Kubernetes to optimize running integration tests with reduced authentication overhead.
- Moved live services deployed in a non-RBAC enabled Kubernetes cluster to a secured cluster with RBAC.
- Upgrade and improve logging in live services to get better insight into live applications.

TECHSMITH CORP. | Software Engineering Intern
January 2016 – July 2018 | Okemos, MI

- Replaced deprecated screen capturing APIs with Microsoft Media Foundation and DirectX APIs within a shared internal library used across several products.
- Assisted in designing and developing several new cloud micro-services. This included setting up the Web API controllers, repositories, databases, migrations, and secure configuration all in the latest .Net Core Frameworks and Entity Framework Core written in C#.
- All code was peer-reviewed, tested, approved, and deployed to production. All new code was unit and integration tested where appropriate.
- Organized and led the summer Intern Breakout Sessions where no full-time employees were present. Required organizational and leadership skills.
- Worked on several teams with sizes ranging from 2-8 using SAFe and Agile management techniques. Required clear and effective communication with team, including remote members.

MSU INFORMATION SECURITY | Student Security Analyst
May 2017 – August 2017 | East Lansing, MI
- Used Splunk to continue development on a Security Information and Event Management model to monitor and alert network security events campus-wide.
- Generated searches, dashboards, and alerts from various log types to analyze network activity and anomalies.
- Set up proper deployments and version control using git in multiple production environments to keep servers in parity and allow for safe deployments with rollbacks.

AWARDS

2017	Finalist in Google Games by Google Inc.
2016	Finalist in Atomic Games by Atomic Object

SOCIETIES

2017	National	MSU's Association for Computing Machinery (ACM) Co-President
2016	National	MSU's ACM Event and Sponsorship Coordinator
2016	top 12%ile	Tau Beta Pi Engineering Honor Society
2014	MSU	Honors College