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**
Github:// **tjkkelly**
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 • 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