

Scott Myers

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Education

The Pennsylvania State University

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

University Park, PA

May 2018

Experience

Exiger

SOFTWARE ENGINEER (FULL STACK)

August 2020 - Present

- Design, build, and test internal tooling to help improve customer service by automating common requests.
- Independently created program to automate tedious tasks. Reduced engineering time from 2+ hours to several minutes.
- Write mocks and unit tests to meet internal metrics and ensure that code is reliable with sufficient coverage. Created unit test framework to reduce test creation time.
- Design and create REST API routes for customer integration. Update documentation accordingly.
- Establish and support RabbitMQ queue topology to modernize message handling.
- Leverage C#, ASP.NET, SQL Server, jQuery, Jenkins, Git, IIS, and more to develop complex web application.
- Write CRUD SQL stored procedures to fulfill ad-hoc customer requests and business requirements.
- Peer review code, participate in design discussions, and research/implement optimal architecture per team's vision.

QorTek Inc.

SOFTWARE ENGINEER

June 2018 – August 2020

- Lead the development of a closed-loop acoustics processing system in C# utilizing asynchronous programming and custom data visualization methods with the .NET framework. The system can also automate tests and process real-time data for the user.
- Designed and implemented a low latency, high throughput streaming protocol for use in time-sensitive applications. Utilized the protocol with a custom multithreaded streaming application.
- Create and maintain C# class library of math algorithms, backend data visualization, framework enhancements, and more. Lead efforts and discussions about standardization and scalability of codebase.
- Designed, tested, and verified scripts that measure system health for irregularities to identify critical bugs and aid in their resolution.

Solid State Ceramics

TEST AND AUTOMATION ENGINEERING INTERN

August 2017 – May 2018

- Independently created automated ceramic piezoelectric transformer characterization program using LabVIEW. The ability to automate this process has saved the manufacturer hundreds of hours of employee labor.

QorTek Inc.

ENGINEERING INTERN

May 2017 – August 2017

- Designed and tested attitude control system for small satellites using C#. Utilized Bluetooth API to communicate with hardware. This program led to the successful validation of critical project goals.
- Controlled on-board electronics of satellite testing platform using custom micro-controller code, written in C.

Skills

Languages / Tech: C#, JavaScript, HTML, ASP.NET, SQL

Software: Visual Studio, SSMS, IIS, RabbitMQ, Jenkins

Computer Science: Rest API, OOP Principles, Data Structures, Algorithms

Projects

Dungeons and Dragons Hub

C#, Windows Forms

DESKTOP APPLICATION TO MANAGE PLAYERS STATS, DICE ROLLS, AND INVENTORY. CODE MANAGED AND DOCUMENTED ON GITHUB. NEW FEATURES ARE ADDED BY TALKING WITH PLAYERS ON A WEEKLY BASIS DURING CAMPAIGN SESSIONS. PERSISTENT GAME DATA STRUCTURES ALLOWS PLAYERS TO EASILY SAVE THEIR DATA.

<https://github.com/smyers24/DnD-Hub-V2>