

Alec B. Trievel

Software Developer

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📍 Pittsburgh, PA

🔗 Website/Link

EXPERIENCE

Software Developer, Consultant

Computer Enterprises, Inc. (CEI)

📅 04/2018 - Ongoing 📍 Pittsburgh, PA

- Refactored legacy C code and an IBM Informix database into a modern .NET Core application with Entity Framework and SQL Server
- Designed and implemented system to manage SOAP requests from IoT devices in an Azure environment
- Implemented an Angular 7 SPA with a .NET Core back-end API linked to the client's Azure Active Directory nearly two weeks under budget
- Generated Azure function to predict location of trees accurately within 93% confidence using an Azure Custom Vision instance
- Coordinated a successful testing effort on a multi-million dollar Ecommerce digital transformation project
- Overhauled client's Salesforce platform implementation to improve customer service response time by more than 20%

SKILLS

Programming Languages & Frameworks

C# .NET Framework and Core **Python** **Node.js**

Angular 2+ **TypeScript** **JavaScript / HTML 5 / CSS 3**

Salesforce Apex **ASP.NET MVC**

Cloud Platforms

Azure **Salesforce**

Other Software & Skills

Azure DevOps CI/CD **Azure API Management** **Git**

Atlassian Suite **TFS** **OOP** **REST** **Microservices**

XUnit **Jasmine** **Entity Framework** **SQL Server**

EDUCATION

Programming in C#

Microsoft Certification, ID 17520190

📅 2019

BS Computer Science

University of Pittsburgh

📅 2014 - 2018

PROJECTS & PRESENTATIONS

Azure Durable Functions Tech Talk

📅 10/2019

🔗 <https://github.com/atriveel/pgh-dotnet-AzureDurableFunctions>

A tech talk given to the Pittsburgh .NET User Group

- Highlights the pros/cons of Azure Durable Functions and their use cases in production environments

NiBetaSeries

📅 10/2019 - Ongoing

📍 Open Source Contribution

🔗 <https://github.com/HBCLab/NiBetaSeries>

Open source application used to find correlations within fMRI scans that are BIDS-compatible

- Responsible for bug fixing and updating relevant documentation
- Written in Python

Foosball API

📅 08/2019 - Ongoing

📍 Pittsburgh, PA

An API used to track the results of the results of foosball games at the CEI office

- Written in .NET Core 3 and tested with XUnit
- Used repository patterns to easily swap between SQL Server and Azure Cosmos DB database implementations