

Frederick G. McCollum IV

Business Analytics Specialist | Software Developer

Contact / Social

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Education

Master of Science

Business Analytics
University of Dallas (in progress)
4.0 GPA

Bachelor of Business Administration

Information Systems, Math & Finance
Schreiner University – 2017
Summa Cum Laude, 3.97 GPA

Professional Certificate

Computer Science, Web Development
HarvardX – 2020

Skills

Business / Data Analytics • Software Development • Communication / Public Speaking • Time Management • Quick Learner • C# • Python • JavaScript • SQL • ASP.NET • Django • React.js • R • Git • Dynamics 365 • SAS • Azure • Machine Learning • REST APIs • Microservices

Certifications

Programming in C#
Programming Using Python
Programming Using JavaScript
Software Development Fundamentals
Power Apps+Dynamics 365 Developer
Azure Fundamentals
Dynamics 365 for Sales
Base Programmer for SAS 9
Database Fundamentals
Security Fundamentals

Volunteer & Organizations

Open Source Software Contributor
Microsoft Aspire Ambassador
Schreiner University Ambassador

Summary

My name is Frederick McCollum, but I go by Erick. I am a motivated IT professional with an unrivaled passion for technology, learning, and building valuable relationships. I strive to utilize modern technology to create valuable solutions, make a positive business impact, and empower others.

Experience

Software Engineer

Microsoft Corporation • Sept. 2020 – Present

- Software Engineer on the Microsoft Azure platform.
- Utilize Azure cloud technologies such as Azure Functions, Azure App Service, Logic Apps, etc. to build cloud-scale apps and microservices.
- Interact with and build powerful APIs using modern technologies and programming languages.

Software Developer Consultant

Microsoft Corporation • May 2019 – Sept. 2020

- Developed and optimized applications using JavaScript, C#, .NET, and ASP.NET to improve end user productivity by over 53%.
- Investigated and resolved memory leak issues in a project that included over 22 ASP.NET web applications and APIs.
- Won a *Microsoft #BetterTogether* award for going above and beyond.
- Maintained source control for teams of 10+ engineers using tools such as Git, GitHub, and Azure DevOps.
- Led content development, including the release of 4+ organization-wide newsletters and over 10+ hours of learning and readiness content.
- Managed a team of 20+ contributors with the mission to improve organization culture, networking, and engagement.
- Influenced team growth by mentoring 8+ team members and participating in 5+ interviews and hiring events.

Software Developer Support Engineer

Microsoft Corporation • July 2017 – May 2019

- Maintained customer satisfaction ratings of over 90%.
- Recognized as a subject matter expert (SME) in software developer (SDK) topics.
- Provided expert guidance to enterprise customers in topics such as development, debugging, and optimization of JavaScript and C# code.

Projects

Predictive Model to Predict NCAA March Madness Results

I created three different predictive models to predict *NCAA March Madness* Tournament Results using R. I selected the best model and presented my analysis. The source code is hosted on *GitHub*.

MovieRater Web Application

Web app that allows users to login, search/add movies to the app, add reviews, read other user's reviews, as well as view the average review score for each movie. This web app was created using Django (Python web app framework) and React.js (JavaScript framework for creating single page applications).

View more at www.erickmccollum.com.