

# Courtney Jo Zuboski

[CourtneyJo.com](https://CourtneyJo.com) 📍 Cincinnati, OH

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## EDUCATION

### Georgia Institute of Technology, Atlanta, GA

Masters of Science, Computer Science

AUGUST 2020 - MARCH 2024

**Specialization:** Human-Computer Interaction

**Courses:** Knowledge-Based Artificial Intelligence, Computer Networks, Video Game Design, Human-Computer Interaction, Software Development Process, Ubiquitous Computing

### University of Cincinnati, Cincinnati, OH

Bachelors Of Science in Computer Information Systems

August 2016 - May 2020

**Relevant Involvement:** President of Women in Technology

**Relevant Coursework:** Database Development, Database Design, Web Development with ASP.NET, C++, Systems Analysis and Design, Application Development with Java

## LATEST EXPERIENCE

### Cyntax Consulting, Cincinnati, OH — Full-Stack Developer/Owner

July 2020 - Present

- Single-handedly developed a cloud-based hospital supply chain inventory application from the ground, which replaced the on-prem/legacy application for international and domestic hospitals:

- Constructed application as a **.NET Core** application
  - Developed application as an **MVC, SPA** that communicated directly with a **SQL** database
  - Developed front-end with **JavaScript, jQuery, HTML5 and CSS3**
  - Developed **Models, Views and Controllers** used amongst multiple cloud applications hosted on **Azure**
- Automated daily tasks to hospital staff using predictive modeling
  - Utilized **Artificial Intelligence** based **WebJobs** within **Azure AppServices**
  - Computed past quantity data for high-cost inventory medical items to predict when items would need to be reordered
- Developed security layers using **MFA and JWT Tokens**
  - Utilized Twilio APIs for **Multi-Factor Authentication** and **Azure Active Directory (SSO)**
  - Implemented **JWT** expiration of **bearer token** upon new login session
- Developed a **Patient Billing** feature within mobile **cloud application**
  - Utilized **WebSockets** with hardware hosted in **Azure IoT Hub** to record items utilized during hospital procedures for billing purposes

### Par Excellence Systems, Cincinnati, OH — .Net Developer

May 2019 - March 2020 - Continued with Company as Contractor Above as C2C

- Customized and developed **LINQ queries** using Entity Frameworks and **SQL stored procedure** to enhance application performance and data retrieval methods to offload and optimize the database usage

- Managed developments in **Azure Pipelines** for **CI/CD** that communicated with **Azure Functions** and devices in **Azure IoT Hub**

### A1MG, Pittsburgh, PA — Software Developer

December 2016 - March 2019

- Designed a **database** and **data schemas** for a prominent fitness application improving data integrity and execution efficiencies using **LINQ2SQL and OOP**

- Managed the full-stack development of a financial-based dashboard that showed real-time visibility of orders, profit, and stock for eCommerce app

## TECHNOLOGY STACK

**Front-End:** JavaScript, jQuery, HTML5, CSS3, TypeScript, jQuery, Bootstrap, JSON, AJAX  
**Back-End:** C#, .NET Core, Entity Framework, LINQ, SQL, Java, Python, ASP.NET MVC, RESTful APIs, Web APIs

**Other:** Azure Functions, Azure DevOps, Subversion, Git, RFID, Postman, Visual Studio, AdobeXD, Android Studio, XCode, SignalR/WebSocket, Django

## LATEST DEVELOPMENT

### RFID Mobile Application

<https://tinyurl.com/CyntaxRFID>

**Fun Fact:** I edited the video, single-handedly developed the software in the video, and am also in the video!

## RELEVANT PROJECTS

Georgia Tech

-Developed a hacking-based Python application that processed accelerometer data from Sensor API and microphone audio fusing vibrational consistencies and acoustic wave analysis to compute the RPMs of an engine and detect defects

-Developed an Android Mobile application that computed probability and algorithmic-based predictions for job offers

## WEBSITES/PORTFOLIO

[CourtneyJo.com](https://CourtneyJo.com)

[Cyntax.io](https://Cyntax.io)