

# FABIO YIN

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Portfolio: <https://www.fabioyin.com/> | GitHub: <https://github.com/uscliyin>

## EDUCATION

**Master of Science, Analytics (Data Analytics)**  
**University of Southern California, CA, USA**

Jan 2021-Dec 2022  
GPA: 3.70/4.0

**Bachelor of Engineering, Software and Engineering**  
**Chongqing University of Posts and Telecommunications, Chongqing, China**

Sep 2016-Jun 2020  
GPA: 3.49/4.0 (Top 5%)

## SKILLS

- **Programming & Frameworks:** C#, Python, SQL; ASP.NET (MVC, Razor Pages, Web API, Web Services, WCF), React, LINQ
- **Design & Architecture:** OOP, SOLID, Microservices
- **Database & Data Management:** SQL Server, MySQL, Database Design, Normalization, Stored Procedures
- **Cloud & DevOps:** Azure, Windows Server, IIS; CI/CD (GitHub Actions), Containerization (Docker)
- **Tools & Methodologies:** Agile/Scrum, SVN, GitHub, Unit Testing, TDD
- **Data & Analytics:** Python (Pandas, NumPy), Excel, ETL, Machine Learning, Data Cleaning

## WORK EXPERIENCE

**MES Engineer (Software Engineer) | Jing-Jin Electric North America, MI, USA** 02/2024-Present  
**Manufacturing Execution System (C#, Asp.Net (MVC, RESTful API, Webservice), WCF, DevExpress, SQL Server, Stored Procedures, SVN, LINQ, HTML5, CSS3, JavaScript)**

- Enhanced the MES system by developing additional user-focused features using **C#, .NET MVC, WCF, DevExpress, Stored Procedures, and SQL Server**, increasing **usability** and supporting **3 new production workflows**, which boosted productivity by **15%**.
- Implemented a **multithreaded** solution to parse XML files generated by production line equipment.
- Utilized **ASP.NET Web Services/RESTful API** to retrieve and integrate data from **3 major suppliers**.
- Processed and visualized collected production data using **HTML5, CSS3, and JavaScript**, adding new dashboard modules that **reduced leadership's data retrieval time** from **15 minutes** to **5 minutes** per day.

**Full Stack Developer (Software Engineer) | Antra, VA, USA** 03/2023-Feb 2024  
**Human Resource System (C#, ASP.NET Core Web API, Azure, React.js, Entity Framework Core, Microservices, T-SQL, SQL Server, Visual Studio, Git, MOQ, MS test, Agile)**

- Developed a Human Resource System Application system employing **ASP.NET Core Web API** for backend operations and **React.js** for front-end.
- Implemented a **Microservices architecture** for modularity and scalability, ensuring integration across multiple services.
- Leveraged **Entity Framework Core** with **SQL Server** for efficient data storage and retrieval.
- Deployed and maintained the application on **Azure**, achieving reliability with minimal downtime.
- Contributed to unit testing efforts using **MOQ** and **MS Test** to help validate core functionalities
- **Worked in an Agile/Scrum environment**, participating in daily stand-ups, sprint planning, and retrospective meetings to deliver features iteratively and on schedule.

**Data Engineer Intern | MetaNovas Biotech, CA, USA (Remote)** 03/2022-12/2022  
**Web Scraping (Python, Multithreading, pandas, Apache Airflow)**

- Developed a web scraping pipeline using Python (lxml, XPath, Multithreading, Apache Airflow) to automate extraction, cleaning, and upload of medicine data to AWS S3, providing high-quality data that enabled the data science team to train predictive models.

**Software Developer | Chongqing Chaomei Advanced Lubricating Oil, Chongqing, China** 01/2020-12/2020  
**Customer Relationship Management System (C#, ASP.NET Core MVC, JavaScript, HTML, CSS, Bootstrap, Razor Pages, SQL Server, Dependency Injection, xUnit, FakeItEasy)**

- Developed a full-stack CRM system using C#, ASP.NET MVC Core, enhancing functionality with JavaScript. Implemented sophisticated user interface designs with Razor Page, HTML and CSS, using Partial Views for reusable UI components. Improved data management efficiency with SQL Server. Ensured application reliability through unit testing using xUnit and FakeItEasy.