

# FABIO YIN

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

## EDUCATION

### Master of Science, Analytics

University of Southern California, CA, USA

Jan 2021-Dec 2022

GPA: 3.70/4.0

**Key Courses:** Predictive Analytics, Data mining, Decision Analysis, Marketing Analytics, Data Management

### 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%)

**Key Courses:** Database, Data Structure, Computer Networks, Software Analysis and Design, Probability Theory

**Honors:** Second Prize Excellent Graduation Design (2020); Triple-A Student (2019)

## 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

Feb 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

Mar 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 and enhance overall code quality.
- **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)

Mar 2022 - Dec 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.