

Huanyu Zhang

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M.S in Computer Science in Miami, FL

Summary: Proficient in algorithm, data structure, designing, coding, modifying, debugging software; Self-motivated quick learner of new systems and techniques.

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GITHUB <https://github.com/HY-Franklin?tab=repositories> | LINKEDIN [HuanyuLinkedInLink](#)

EDUCATION

Florida International University, M.S in Computer Science — Expected 04/2020

Chengdu Neusoft University, B.S in Software Engineering — 2017

PROJECT EXPERIENCE

FTP Client without API (Java)

- Built an interactive login function in Java to any available FTP server using TCP Socket. Implemented data Socket connection with Passive mode and Binary mode
- Implemented remote file operations and give feedback, such as ls, download, update, delete, and cd, using Raw FTP commands.

Developed a GUI for FOREX trading (C, MQL4 language)

- Wrote a GUI in Expert Advisor (EA) with multiple functions for better EA trading.
- Designed and implemented calendar, file navigator, currency rate navigator and user operation board function.
- Implemented the currency information form FOREX for EA to help to buy, sell or show selected currency information.

Internet of Things and Smart Homes (C/ C++, WebSocket, MySQL)

- Designed and implemented Internet of Things (IoT) with 5 Sensors (Server) of different functions
- Wrote Smart Client to get information or control all sensors in a distributed system.
- Built client functions to connect SQL and access and operate information ((system log)) in MQL.
- Implemented functions to record sensors events in order (system log) after synchronized to one local SQL database using Lamport timestamps.

Developed a database for an e-commerce Website (MySQL)

- Designed and created SQL script and a database to meet project requirements for an e-commerce Website.

Online Book Shopping System in Java/Servlet

- Designed and wrote member registration, commodity display, product search, shopping cart, and data access layer for an Online

SKILLS

PROGRAMMING LANGUAGES

- C/C++
- Java/JSP
- JavaScript
- HTML5/CSS3

FRAMEWORKS

- MVC

DATABASES

- MySQL
- SQLite

TOOLS

- Visual Studio
- Eclipse
- Xcode
- IntelliJ IDEA

AWARDS

- N/A

Book Shopping using Java, JSP, JDBC and SQL.

- Built a front-end Web interface using HTML5/CSS and JavaScript.

Books management system (Java, MySQL, JDBC)

- Developed a Books management system in Java/JDBC to store and retrieve book records in MySQL database.
- Designed and wrote back-end database functions to manage book records and references. Wrote a front GUI using Swing frame toolkit.

WORK EXPERIENCE

N/A

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LANGUAGES	TOOLS	DATABASES	FRAMEWORKS
<ul style="list-style-type: none">• C/C++• JavaScript	<ul style="list-style-type: none">• Visual Studio• Eclipse	<ul style="list-style-type: none">• MySQL• SQLite	<ul style="list-style-type: none">• MVC
<ul style="list-style-type: none">• Java/JSP• HTML5/CSS3	<ul style="list-style-type: none">• Xcode• IntelliJ IDEA		

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