Yifan Liu

Currently student at Uppsala University, 3 years working experience as a C# software engineer.

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Work experience

2019.9-present	Shanghai Mingyee tech	Software Engineer

Responsible for the development of semiconductor wafer process equipment control software. The software is an application software developed using the MVVM model and in the C/S structure using the .Net Framework and WPF + WCF Framework.

2017.7-2019.6	CCCC-DRC	Software Engineer

Responsible for the development of application software that used on a dredging vessel, it controls the vessel and monitors it, while transfer data to the on-shore ERP system. The software uses the WPF framework and KEPServer for data collection.

Project experience

2019.9-2020.5	PECVD deposition machine	Software Develop

Cooperate with equipment manufacturers to produce integrated control software, and cooperate with process equipment PLC engineers to produce software to integrate machine control and interface with the factory interface. At present, the project is still in the verification stage. It uses Caliburn Micro for UI design and the same framework as the other two projects.

2019.7-2020.4	Wafer sorter machine	Software Develop

Make application software to control the sorter machine, and cooperate with UI engineers to complete the software UI part. Participate in the design of the software implementation of the factory interface (SECS / GEM) and the software control of the robot and other equipment in the machine, and use the database (Postgre) to record the information of each wafer. During the period of employment, the machine has been put into use in several large domestic fabs.

2018.3-2019.2	Dredging vessel control system	Software Develop

Interfacing with PLC developers, make a SCADA monitoring and control system that used to control the ship, the software used WPF to make GUI part and KEPServer for data collection.

2016.3-2016.6	Freescale smart car contest	Software Develop

1. The content of the race is to use various methods to collect track data, and control the car to automatically recognize the track then to complete the race. 2. A CCD camera was selected to collect track data during the competition, and the Freescale S20 chip was used as the main control chip.

2015.5-2015.12	NUEDC	PCB Layout Design and Software

1. The project is an electrical signal amplifier. The amplifier can amplify a tiny electrical signal by 1 to 10,000 times. 2. Design the amplifier circuit. 3. In order to make the control accurate, the amplified signal needs to be collected, compared with the signal before amplification, to make a close loop control. And a Freescale S20 is used as the main control chip for signal acquisition and an amplification control. We won the first prize in Shanghai and second prize in the national contest after that.

Education

2020.9-present	Uppsala University	2013.9-2017.6	Shanghai Maritime University
Embedded Systems		Automation	

Currently student of Uppsala University.

Grade ranked top 10 in the whole major, graduated with the title of outstanding graduates, and with CET4/6 certificate in English, Shanghai English interpreter certificate, IELTS 7.0