

RUIYANG YU

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EDUCATION

GRADUATION: 5.2020

BACHELOR OF SCIENCE – COMPUTER SCIENCE, UNIVERSITY OF WISCONSIN-EAU CLAIRE

Resident GPA: **3.45**

Resident Major GPA: **3.44**

Coursework Include: Operating Systems, Computer Architecture, Networks, Algorithms and Discrete Structures, Database Systems, Programming Languages, Computer Organization and Design, Web System.

GRADUATION: 6.2021

BACHELOR OF SCIENCE – THE INTERNET OF THINGS, XI'AN UNIVERSITY OF SCIENCE AND TECHNOLOGY

GPA system is not available in this university.

Average grade in percentage system: **82.7%**

Coursework Include: Programming Languages, Analog Electronic Technology, Digital Electronic Technology, Network Technology, Robot Design and Production.

EXPERIENCE

7.2021 – 9.2021

INTERN, DOW CHEMICAL ZHANGJIAGANG CO LTD

- ◆ Design and create critical equipment monitoring system.
 - ◆ This is part of the EC2M (Engineers Closer to Machines) project. The monitoring systems currently in use are designed for operators with complex and detail-oriented pages. The new monitoring system can display the safety state of the whole factory with simple and easy to read interface. Its users are mainly the management personnel.
 - ◆ The system summarizes nearly 200 critical equipment of Dow ZJG Plant.
 - ◆ Create templates for each device that contain parameters that the device may need to monitor.
 - ◆ Collect the sensors' real time values from the OSIsoft PI system.
 - ◆ Work with field engineers to develop logic to determine device status based on parameter return values.
 - ◆ The overall status of each device is displayed in different color blocks and aggregated upward.
 - ◆ The user interface is divided into five levels: Factory overall status -> Plant status -> Area status -> equipment status -> equipment details", Provide managers with visual and real time safety status of all critical equipment.
- ◆ Design and create internal information portal. Site features include: KPI statistics and analysis, plant safety information, news and announcements, public file management, automatic email reminders to employees who have not completed tasks, and online file approval.

- ◆ Obtain “Green Pass” after the internship (permission to be formally hired by Dow without an interview at any time).

7.2019 – 9.2019

DATA CENTER ASSISTANT, SHANGHAI RESEARCH CENTER FOR BRAIN SCIENCE AND BRAIN-INSPIRED INTELLIGENCE

- ◆ Assist to run, maintain, and debug data center servers, storage equipment and network equipment.
- ◆ Collate and collect brain image database and related information.
- ◆ Teamwork: Train artificial intelligence in disease prediction by TensorFlow.
- ◆ Assist the official website manager of the institution to declare and record the security certificate of the new domain name to the local government.

9.2016 – 6.2017

LAB TEACHING ASSISTANT, XI’AN UNIVERSITY OF SCIENCE AND TECHNOLOGY

Worked as a teaching assistant in the lab courses to help students solve the C language programming problems.

7.2015 – 9.2016

TEACHING ASSISTANT, SHANGHAI YOUTH ACTIVITY CENTER

Help teachers to solve problems encountered by students in making and designing robots.

SKILLS

- Programming by Java, C++, C, SQL, Python
- Robot structure design
- Circuit design based on STM series
- Speak English and Chinese
- Using Adobe Photoshop, Illustrator Bridge, In Design

ACTIVITIES

- Worked as volunteer referee in a number of robot competitions in Shanghai.
- Taught high school and middle school students visual basic as a volunteer.
- Worked as a volunteer in Shanghai metro and several nursing homes in Shanghai and accompanied the homeless elderly