

Hui Sun

910 Ladson Ct, Decatur, GA, 30033

Email: hui.sun@ufl.edu | Cell: 352-328-6856 | LinkedIn: <https://www.linkedin.com/in/huisun2022>

EDUCATION

North Carolina State University

Aug. 2023 - 2027(Except)

- Incoming Ph.D. Student in Computer Science(Advisor: Dr. Jianqing Liu)

Raleigh, NC

University of Florida

Aug. 2020 - Dec. 2022

- M.S. in Computer Science (GPA: 3.93 / 4.0)

Gainesville, FL

Xidian University

Aug. 2015 - Jun. 2019

- B.E. in Software Engineering (GPA: 3.6 / 4.0)

Xi'an, China

SKILLS

- **Languages:** Node.js, Java, D3, C#, Python, SQL, F#, Julia, MATLAB, C++, HTML, CSS, LaTeX
- **Skills:** Vue.js, Kafka, IBM WebSphere, Spring, SpringBoot, J2EE, ASP.NET, Maven, Wireshark, Appium
- **Awards:** Violin Level 9 Certificate, First prize of China Youth Group of International Standard Dance Competition

EXPERIENCE

PAX Technology Inc.

Jan. 2023 - Now

Software Development Engineer | Java, Vue.js

- Developed **Android Automation Test Tool** to auto test **thousands features** of **hundreds of** payment related **Android/iOS applications** embedded in 10+ types of payment devices used by North America, South America, Asia test teams.
- Participated in developing **CyberLab function**, a remotely **virtual robot** arm used by global testing teams to test sensitive features, for example, Pin Enter function, functions includes merchant sensitive information, etc.
- Collaborated with Canada and the U.S. teams to develop **Warehouse Management System** from scratch, used by company's partners including Disney, Chick-fil-a, etc. to track/locate/change the status/components replacement of devices.

University of Florida

Aug. 2021 - Dec.2022

Teaching Assistant| Machine Learning |Teaching Assistant | Info and Database Sys1

- Provided one-on-one office hours every week to answer questions from students, often many were about regression models, active functions, Normal Form, relational database schemas, etc. Monitored exams and graded assignments.

IBM

Mar. 2021 - Jun.2021

Application Developer Intern| Java, Struts2, Spring, WebSphere

- Developed, tested, and deployed a **monitor function** to monitor customer-sensitive information of Development Bank of Singapore's bank card system used by all branches in Asia which greatly improve the security of the system. The framework and language are **Struts2, Spring, and Java**.
- Used IBM WebSphere to control and deploy different versions of the Bank Card System which is a system that helps to manage **134.5 Billion deposits** of DBS bank.
- Responsible for writing a product requirement document and defining the format of raw data to support IBM's Singapore and Hongkong teams to develop **Blacklist and Whitelist Functions** for Bank Card System.

Data Discovery and Knowledge Research Center

Sept. 2018 - June.2019

Research Assistant| Advisor: Prof. Jianbin Huang, Prof. He Li | MATLAB

- Examined over 100 papers on graph clustering algorithms, including **local and global graph clustering algorithms**, static and dynamic clustering algorithms, and lower-order and higher-order graph clustering algorithms.

Inspur Group.

Jul. 2018 - Sept.2018

Software Development Engineer Intern| C#, ASP.NET

- Mainly responsible for developing the financial module of the ERP system with three types of the terminal, including mobile, web, and WinForm applications whose internal **DAU is 20000**.
- Fulfilled a financial-related contract joint check function ahead of schedule by **33%** by negotiating with customers properly.

PROJECTS

Urban Vehicle Monitor System

Sept. 2018 - Jan. 2019

Leader| Java, Spark, HBase, Redis, Kafka, SpringBoot

- Led and organized our ten people team to build an urban vehicle monitor system to track vehicles and analyze tons of data by using **Kafka, Redis, HBase, Spark**, and **front-end** technologies.
- Processed more than **580,000 driving records** of a certain city in Zhejiang Province to realize the searching and analyzing function which could automatically give the trajectory of each car. Build user profiles for each person.
- Visualized car trajectory in real-time based on Google Maps. **Monitored traffic** within the city by searching how many vehicles come through a specific intersection.