

# Chen (Jade) Huang

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## EDUCATION

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**Rice University, Houston, Texas** Expected May. 2024

- Master in Electrical & Computer Engineering

**University of Michigan-Shanghai Jiao Tong University Joint Institute, Shanghai** Sept. 2018 - Aug. 2022

- Bachelor of Engineering in Electrical & Computer Engineering
- Minor: Data Science

**Instituto Tecnológico de Buenos Aires, Buenos Aires** Jan. 2019 - Feb. 2019

- Exchange student
- Courses: Data Analytics, Introducción al Español, Culture: Argentinian Postcards

## EXPERIENCE

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**Intern of Software Engineer** Sept. - Dec. 2021

**SAIC Motor Z-ONE Software Company, Shanghai**

- Arranged the relevant test cases according to the English protocol documents of SOME/IP and the specification documents of the communication management module
- Conducted the research on application scenarios of AUTOSAR Classic Platform and Adaptive Platform

**Intern of Test Development**

Jan. - Apr. 2021

**Shanghai 2345 Network Technology Co., Ltd, Shanghai**

- Led the updating and following up of the requirement pool for the website navigation project
- Conducted follow-up tests on the requirement pool corresponding to product iteration, including functional tests, web data buried point tests, etc.

**Intern of Software Engineer**

Dec. 2019 - Feb. 2020

**Shanghai Electric Thales Transportation Automation System Co., Ltd, Shanghai**

- Used C++ and Ruby to simulate the subway line
- Generated HTML visual images for the existing subway line simulation; and added labels and platforms for line simulation to optimize visual effects
- Analyzed the simulation results of subway operation, and checked the existing timetable

## ACADEMIC PROJECTS

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**Capstone Design, Shanghai Jiao Tong University** May. - Aug. 2022

- Developed an augmented reality game based on iOS, was responsible for back-end and database coding

**Application Scenarios of AUTOSAR Classic Platform and Adaptive Platform, SAIC** Sept. - Nov. 2021

- Made comparison analysis between AUTOSAR Classic Platform and Adaptive Platform, in terms of communication method, operating system, hardware, etc.

**Logic Synthesis Algorithms for Circuit Optimization, Shanghai Jiao Tong University** Feb. - May. 2021

- Used the simulated annealing algorithm to optimize the circuit in terms of reducing the delay and area
- Conducted experiments on circuit logic optimization based on simulated annealing algorithm

**High-Precision Vision Measurement and Experiment, Shanghai Jiao Tong University** Sept. - Dec. 2020

- Reached nanometer-level position and pose measurement based on image processing
- Applied Matlab to optimize the algorithm to ensure it could calculate the image information in real-time

## SKILLS & HOBBIES

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**Languages**

- Mandarin: native speaker, English: Fluent

**Computer skills**

- C++, Java, Matlab, R, Python

**Hobbies**

- Photography, sketching, jogging