

# Jingrui Zhang

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## EDUCATION

09/2018-06/2022: **University of California Irvine**

Irvine, CA

Major: Computer science    Degree: Bachelor of Science    GPA: 3.158/4.00

## Research & Project

09/19/2020-11/11/2020: **Machine Learning and Data Science Project**

Remote

Supervisor: Prof. Mark Vogelsberger at MIT

- ✧ Applied GAN to MNIST handwritten digits
- ✧ Prepared the dataset and converted them to a readable form using Numpy
- ✧ Created Generator and Discriminator functions for the model
- ✧ Created both loss functions for discriminator and generator
- ✧ Used batch training on the model to produce the result

11/2021-12/2021: **CS 178 MACHINE/DATA MINING final project**

Irvine, CA

- ✧ Utilized KNN, random forest, linear models to predict (classify) customer behavior such as churn based on the data of customer analytics information

05/2021-06/2021: **ICS 53 PRINCIPLE IN SYSTEM DESIGN course project**

Irvine, CA

- ✧ Utilized multithreading in C++ to make client-server auction function in terminal

03/2021-06/2021: **CS171 INTRO TO ARTIFICIAL INTELLIGENCE course project**

Irvine, CA

- ✧ Utilized Python to program algorithm and completed minesweeper of 3000 chessboards

02/2021-03/2021: **ICS 46 DATA STRUC IMPL&ANLS course project**

Irvine, CA

- ✧ Implemented a class of AVL tree using C++, including functions such as inserting, lookup, etc.

## INTERNSHIP

05/06/2021-08/06/2021: **Siemens Industrial Automation Products Ltd.**

Chengdu, China

IT Intern

- ✧ Helped with the development and migration of the workflows from an old platform to a new one
- ✧ Developed new plug-ins on the workflows using javascript
- ✧ Created report forms by extracting data from the database using SQL
- ✧ Took over “Mendix” project, self-studied the functions and utilizations of this low-code development platform
- ✧ Created first Mendix application for HR departments, with functions such as posting training courses, recording new employees’ achievements by taking tests
- ✧ Held weekly meetings with the supervisors of each department to show the application’s progress, taught them the functions of the platform, and answered their questions

## ACTIVITIES

09/2018-present: **Member, CUCS Chinese Union Computer Science**

Irvine, CA

- ✧ Learned fundamental knowledge of computer and the operation of software Unit
- ✧ Won the Excellent Member Prize in Computer Science Club

## SKILLS & HOBBIES

Proficient in Python, C++, Data structure and algorithms

Basically mastered commonly used machine learning algorithm

Interested in traveling, painting, skateboarding and skiing