

EDUCATION

University of Michigan, Ann Arbor, MI USA Aug 2021 - May 2023 (expected)
Master of Science in Information, focus in Data Science (GPA: 4.0/4.0)

Shanghai Jiao Tong University, Shanghai, China Aug 2018 - Aug 2022 (expected)
Bachelor of Science in Electrical and Computer Engineering (GPA: 3.6/4.0)

- McGill University, Canada, exchange program in Big Data (Jan 2020 - Mar 2020)
- 3+2 program
- Awards: GDP Explorer Scholarship (2021), Student Development Scholarship (2020), Undergraduate Academic Scholarship (2019 & 2020), Wu Jiong Sun Jie Sunshine Scholarship (2019)

WORK EXPERIENCE

Michigan Institute for Computational Discovery and Engineering *Student Assistant* Feb 2022 – now

- Rebuilds MICDE's WordPress website. Uses HTML/CSS and JavaScript for web development.
- Pulls data from the university's database via API, cleans data, uploads to the backend of the website and updates the pages.

Mech-Mind Robotics, Beijing, China *Software Engineer Intern* Jan 2021 - Mar 2021

- Created a data dashboard to visualize the real-time data of the factory.
- Trained the image recognition models to improve industrial robots' recognition accuracy to ~97%.
- Segmented and visualized the robots' operational data to figure out the factors related to productivity.
- Implemented test scripts to quickly compare the output differences among versions of software.

Shanghai Jiao Tong University, Shanghai, China *Teaching Assistant* Feb - Apr & Sept - Nov 2020

- Held office hour every week. Helped over 50 students with the course material, papers and reports.
- Supervised students' performances in class and in the laboratory.
- Reviewed lab reports (over 200 reports with 10 pages on average in one semester).

SELECTED PROJECTS

Chat Application Built by React.js Spring 2022

- Used React.js to implement a chat application which has the basic functionality of Slack/Feishu. Each logged in user could create and join multiple chat rooms. The users could send text messages and images to other users in the same chat room.
- Connected to and requested data from RESTful API using Axios.js.

Django Database Application Design, Mini Art Wiki Fall 2021

- Implemented a website with Django to store, manage and display the data of 19th century paintings.
- Built log-in features including social login via GitHub. Built comment features and bookmark features.
- Designed the UI with bootstrap.
- Used AWS EC2 cloud server to host the website. Assigned custom domain name to the website.

Exploratory Data Analysis, US School Shooting Analysis Fall 2021

- Cleaned, reorganized and joined 4 raw datasets with PySpark, numpy and pandas.
- Conducted time series analysis to find out the most likely time of shooting.
- Evaluated the influence of regional unemployment and education rates on shooting and created visualizations in python such as a mosaic plot, a bar plot and a national geographic heat-map.

TECHNICAL SKILLS

- Development: HTML/CSS, JavaScript, React, Python, Django, C++
- Data Analysis: Python (numpy, pandas, seaborn, matplotlib, scikit-learn, NLP/ML), SQL, Spark, Hadoop, R, MATLAB

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教育经历

密西根大学, 美国	2021 年 9 月–2023 年 5 月
专业: 信息科学 (GPA: 4.0/4.0)	
上海交通大学, 中国上海	2018 年 9 月–2022 年 8 月
专业: 电子与计算机工程 (GPA: 3.6/4.0)	
<ul style="list-style-type: none">• 短期交换: 麦吉尔大学, 加拿大 (2020 年 1 月–2020 年 3 月)• 3+2 项目 (3 年本科 + 2 年研究生)• 获奖: 求索奖学金 (2021), 学生发展奖学金 (2020), 本科生学业奖学金 (2019 & 2020), 吴炯孙洁阳光奖学金 (2019)	

工作经历

密歇根科学计算研究院, 美国 学生助理	2022 年 2 月 – 现在
<ul style="list-style-type: none">• 定期帮助维护研究院的 WordPress 官网。使用 HTML/CSS 进行网站开发。• 使用 API 从大学总数据库获取数据, 整理后导入网站后台并更新发布在网页上。	
梅卡曼德机器人, 中国北京 软件开发实习生	2021 年 12 月 - 2021 年 2 月
<ul style="list-style-type: none">• 开发了一个集成工业机器人实时信息的数据看板, 并内置在机器人的控制软件中。该数据看板能够实时显示机器人的相机捕获图像、机械臂抓取速度, 以及抓取商品的信息。• 训练图像识别模型, 使得模型的最终识别准确度达到 97% 以上。• 使用 Python 编写了一个能够快速比较新旧版本软件输出差异的测试脚本。	
上海交通大学, 中国上海 助教	2020 年 1 月 - 4 月, 9 月 - 11 月
<ul style="list-style-type: none">• 每周开设答疑时间。帮助了超过 50 位学生解决有关课业、报告撰写的问题。• 带实验, 批改同学们的实验报告。	

项目

基于 React 的聊天平台
<ul style="list-style-type: none">• 使用 React 制作了一个简单的聊天平台, 功能类似于飞书。用户登录后可以创建以及加入不同的聊天室, 在同一聊天室中的用户可以互相发送文字和图片。• 使用了 Axios.js 来向 API 请求数据。
用 Django 编写的迷你百科
<ul style="list-style-type: none">• 用 Django 编写了一个能够存储, 展示, 搜索画作的网站。后台数据库为 SQLite3。• 使用 bootstrap 来完成界面构建。• 网站支持普通登录和关联 GitHub 的社会化登录。登录用户有评论、收藏、上传新画作的功能。• 使用亚马逊 AWS EC2 云服务器来部署网站。为网站设定了域名。
GitHub 个人网站
<ul style="list-style-type: none">• 用 HTML/CSS 和 JavaScript 来搭建响应式网站。为网站注册了域名。• 关联了用 WordPress 搭建的个人技术博客。

技能

- 开发: Python, HTML/CSS, JavaScript, React, Django, C++
- 数据分析: SQL, Python (numpy, pandas, matplotlib, scikit-learn, NLP/ML), Spark, Hadoop, R, MATLAB