

# JIA-CHIH LIN

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## EDUCATION and EXPERIENCES

Sep, 2024 - Dec, 2025 (Expected)	<b>University of California, Irvine, Irvine, USA</b> Major: Master of Software Engineering
Sep, 2018 - Jan, 2021	<b>National Taiwan University, Taipei, Taiwan</b> Major: Geosciences, Geology Division, Master of Science (GPA: 4.13/4.30) Class Rank: 1/17
Sep, 2014 - Jun, 2018	<b>National Taiwan University, Taipei, Taiwan</b> Major: Geosciences, Bachelor of Science (GPA: 3.78/4.30) Class Rank: 4/31 CS related courses in academic record (GPA: 4.11/4.30) (28 credits) <i>Computer Programming, Data Structure, Algorithms, Engineering Mathematics-linear Algebra, Computer Networks, Operating Systems, Probability and Statistics, ..., etc.</i>

## WORK EXPERIENCES

Feb, 2021 - Jul, 2024	<b>Senior software engineer; Data engineer.</b> Wistron Corporation, Taipei, Taiwan (a crucial manufacturer of AI servers and other electronics products) <ul style="list-style-type: none"><li>• Employed Laravel (PHP-based web framework) and Jenkins to build an automated system, resulting in annual company savings of \$80,000.</li><li>• Adopted Airflow and Kafka to access company public data, assisting developers in reducing time expenses by 16 hours per month spent on data collection and accuracy.</li><li>• Introduced GitLab CI/CD, boosting unit testing coverage from 0% to 10% and slashing average deployment time from 40 to 5 minutes.</li><li>• Utilized SQL and Supervisor (a process control tool) to process 45GB data, contributing to the delivery of real-time insights into production status for managers.</li><li>• Implemented WebSocket for online collaborative form editing, saving each project leader up to 8 hours per month on data organization and weekly report distribution.</li><li>• Integrated legacy systems with Azure login, achieving Single Sign-On and simplifying the user login process.</li><li>• Incorporated legacy systems with SSL and HTTP/2, enhancing the security of internal company data and reducing webpage loading time to less than 0.5 seconds.</li></ul>
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## SKILLS

Programming languages	Python(advanced), PHP(advanced), TypeScript(intermediate), C++, JAVA, Fortran
Frameworks	Django, Laravel, NestJS, Flask
Developing Tools	Linux, Docker, Docker Compose, Git, Supervisor, MySQL, PostgreSQL, Oracle, MongoDB, Prisma, Redis, Jenkins, Azure, Apache Airflow, Kafka, Swagger

## HONORS and AWARDS

Sep, 2022	Data Engineer(Lv.3)-Specialist, Wistron Corporation
Apr, 2016 - Oct, 2018	Presidential Award, National Taiwan University <i>for 3 semesters</i> <i>Awarded to the top 5% of students in the cohort with excellent academic performance.</i>