

# JIA-CHIH LIN

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## EDUCATION and EXPERIENCES

|                                     |  |
|-------------------------------------|--|
| Sep, 2024 - Dec, 2025<br>(Expected) | <b>University of California, Irvine, Irvine, USA</b><br>Major: Master of Software Engineering  |
| Sep, 2018 - Jan, 2021               | <b>National Taiwan University, Taipei, Taiwan</b><br>Major: Geosciences, Geology Division, Master of Science (GPA: 4.13/4.30)<br>Class Rank: 1/17  |
| Sep, 2014 - Jun, 2018               | <b>National Taiwan University, Taipei, Taiwan</b><br>Major: Geosciences, Bachelor of Science (GPA: 3.78/4.30)<br>Class Rank: 4/31<br>CS related courses in academic record (GPA: 4.11/4.30) (28 credits)<br><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><br>Wistron Corporation, Taipei, Taiwan<br>(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 Supervisord (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, Supervisord, MySQL, PostgreSQL, Oracle, MongoDB, Prisma, Redis, Jenkins, Azure, Apache Airflow, Kafka, Swagger, Cloudflare |

## 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><br><i>Awarded to the top 5% of students in the cohort with excellent academic performance.</i> |