

# JIA-CHIH LIN

4051 Blackfin Ave, Irvine, CA, United States, 92620  
(949)695-7510 | [jiachihl@uci.edu](mailto:jiachihl@uci.edu)

<https://www.linkedin.com/in/jia-chih-lin> | <https://profile.jiachihl.com> | <https://github.com/lin777888>

## 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: 3.98/4.00) Class Rank: 1/17
Sep, 2014 - Jun, 2018	<b>National Taiwan University, Taipei, Taiwan</b> Major: Geosciences, Bachelor of Science (GPA: 3.71/4.00) Class Rank: 4/31 CS related courses in academic record (GPA: 4.00/4.00) (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>Used Django (Python-based web framework) and Integrated BERT (Bidirectional Encoder Representations from Transformers) to build a bug search engine, assisting engineers in saving 16 hours per month searching for relevant issue data.</li><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 by 10% and reducing 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, Git, Nginx, BERT, 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 for 3 semesters <i>Awarded to the top 5% of students in the cohort with excellent academic performance.</i>