

# WEI-CHIEN HSU (JAMES HSU)

+886-965-017-858 [◇ jameshwc@gmail.com](mailto:jameshwc@gmail.com) [◇ linkedin](#) [◇ github](#) [◇ website](#)

## OBJECTIVE

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Third-year college CS student at National Taiwan University with three internship experiences, about to graduate early in June 2021, and seeks full-time SDE opportunities.

## EDUCATION

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**Bachelor of Computer Science and Information Engineering**, National Taiwan University Expected 2021  
Relevant Courseworks: Data Structure and Algorithm, Algorithm Design and Analysis, and Information Retrieval.

## EXPERIENCE

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**Chrome Automation Intern** Jul 2020 - PRESENT  
Intel Corp. *Taipei, Taiwan*

- Optimized CI/CD pipeline
  - Reduced time by 70% by redesigning the pipeline with cache.
  - Executed jobs parallelly and generated 4 different CPU platforms of programs.
  - Solved the dependency issue and enabled the programs to run both on Windows and Linux platform.
- Introduced tests and integrated with CI/CD pipeline to run the tests on remote real machines.

**DevOps Intern** Nov 2019 - Jun 2020  
Cathay Financial Holdings *Taipei, Taiwan*

- Built a GitLab CI/CD pipeline to automatically deploy a java chatbot on AWS EKS.
- Explored AWS services including EC2, EKS, Lambda, CDK, S3, DynamoDB, CodePipeline, Auto Scaling, and other 14 services.
- Surveyed DevOps tools including Prometheus, Drone CI, and Kubernetes.

**Software Engineer Intern** Jul 2019 - Jan 2020  
NTU COOL *Taipei, Taiwan*

- Developed an automation script that helps dump data of over 10000 courses, 30000 students, and 200000 enrollments from MS-SQL to the teaching platform via API every day within a month.
- Built a staging environment in one-line command with docker-compose and ansible.
- Integrated unit tests with Gitlab CI to enhance code quality.

## SKILLS

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<b>DevOps</b>	CI/CD (GitLab, Drone, AWS), Docker, Kubernetes, Prometheus, Grafana, PyTest
<b>AWS</b>	Lambda, EC2, S3, CodePipeline, DMS, ELB, Auto-Scaling, CDK
<b>Linux</b>	DNS, Mail server, VPN server, LVM, Reverse Proxy, Nginx
<b>Web</b>	Django (Python), Gin-Gonic (Go), Flask (Python), jQuery (JavaScript)
<b>Languages</b>	Python, Go, Shell Script, JavaScript, C++, C, SQL

## PROJECTS

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**Million-Singer (Go, Gin-Gonic, 2000+ LOC)** A RESTful API Karaoke game server featured user authentication, redis, prometheus, and SQL.

**Vector Space Model (Go)** Implementation of Vector Space Model of Information Retrieval in Go.

**Django Website (Python, JavaScript)** Website that allows users to register, log in, and download files.