

# Chen-Ni Lin

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## EDUCATION

<b>Master of Computer Science</b>	<b>Expected May 2024</b>
Arizona State University, Tempe, AZ	3.59/4.0 GPA
<i>Relevant Coursework: Artificial Intelligence, Cloud Computing, Data Processing at Scale, Blockchain Application, Machine Learning</i>	
<b>Bachelor of Science in Management Information System</b>	<b>June 2020</b>
National Chengchi University, Taiwan	3.67/4.3 GPA

## SKILLS

**Programming Languages:** Python, Java, C#, SQL, JavaScript, CSS, HTML, Solidity, Lua, Processing

**Tools and Databases:** Azure, AWS, Git, Tableau, MySQL, Statistical Package for the Social Sciences (SPSS), Power BI, Nginx

**Libraries and Frameworks:** Keras, Pandas, D3.js, React, NumPy, SKLearn, Apache Spark, Apache Hadoop, Node.js

## PROFESSIONAL EXPERIENCE

<b>Software Developer Intern(Backend)</b>	Taiwan
OpenNet	November 2020 - January 2021
<ul style="list-style-type: none"><li>Implemented sports game development RESTful API in Java through AWS CI/CD data pipelines, utilized by 100 microservices and integrated with Prometheus, CloudWatch, Elasticsearch, Kibana and Grafana.</li><li>Developed online games risk algorithms using the Spring Boot framework and MySQL, leading to a \$30,000 reduction in the company's reward mechanism loss in a multi-site team setting.</li></ul>	
<b>Software Engineer Intern(Backend)</b>	Taiwan
Garena	July 2020 - September 2020
<ul style="list-style-type: none"><li>Constructed lottery applications to over 1 million daily active users, leveraging Django framework and Docker container, increasing monthly user engagement by 10% through a gaming prize giveaway campaign.</li><li>Interfaced with global cross-functional(backend, frontend, mobile, QA, DBA) teams to migrate Python legacy code on traditional servers to a cloud-based environment through 1000 Kubernetes services, enhancing operational efficiency by 5%.</li></ul>	
<b>Software Engineer Intern</b>	Taiwan
Microsoft	July 2018 - January 2020
<ul style="list-style-type: none"><li>Analyzed customer requirements and crafted a prototype for bread defect detection utilizing TensorFlow; achieved a 75% accuracy rate, securing a contract valued at \$35,000 with a leading food company.</li><li>Established ReactJS and ASP.NET Core codebases to redesign the banking internal printing system, deploying new features within 3 weeks.</li><li>Launched 17 features for the SKMH Hospital Information System (HIS) using C#, Vue.js and MS SQL Server within an Agile/Scrum framework, collaborating with a team of 100; employed Azure DevOps to eliminate the 20-minute manual deployment process.</li><li>Captivated an audience of 60 participants at the Microsoft &amp; Study4 .NET Conference with an MLOps lecture on Infrastructure as Code (IaC); earned a rating of 4.5 out of 5.</li><li>Volunteered to mentor 150 undergraduate students in an AI event, driving a 5% increase in registrations the next year.</li></ul>	

## PROJECTS

<b>IaaS Autoscaling Service</b> <a href="#">[Github]</a>	August 2023 - December 2023
<ul style="list-style-type: none"><li>Designed an autoscaling algorithm in Python to handle 100 concurrent requests on Amazon Web Services (AWS) IaaS service (SQS and S3) within 5 minutes for adjusting scale based on demand and optimizing costs.</li></ul>	
<b>Scala Distributed Processing</b> <a href="#">[Github]</a>	August 2023 - December 2023
<ul style="list-style-type: none"><li>Executed a Spark program to analyze 1 million Spatiotemporal data points and identify 50 spatial hot spot cells in time and space calculating the Getis-Ord statistic of NYC Taxi Trip datasets.</li></ul>	
<b>Hybrid Cloud Classroom Assistant</b> <a href="#">[Github]</a>	August 2023 - December 2023
<ul style="list-style-type: none"><li>Composed Minikube, Ceph RGW and OpenFaaS to launch a cloud service providing academic information for students.</li></ul>	
<b>PaaS Image Recognition Service</b> <a href="#">[Github]</a>	August 2023 - December 2023
<ul style="list-style-type: none"><li>Led a team of 3 in the development of a face recognition application utilizing Dockerfile and AWS PaaS cloud services (Lambda, S3 and DynamoDB), achieving the capability to process 100 requests within 3 minutes.</li></ul>	