

YuTing (Nick) Lin

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Education

University of Illinois Urbana-Champaign (UIUC)

Illinois, USA

Master of Computer Science

2024/05-2025/12

- Coursework: Object-Oriented Programming (C++), Algorithms (C++), Data Structures (C), Database Systems (SQL, NoSQL), Distributed Systems (C++), Cloud Computing (AWS, Docker, Kubernetes), Web Programming (React, MongoDB), Software Engineering (Java), Computer Graphics (Python, JavaScript, WebGL), Data Curation (Python, Pandas), Data Visualization (Tableau)

Oita University

Oita, Japan

B.Eng. in Architecture and Mechatronics

2016/04-2020/03

- Dual Academic Excellence Scholarships

Skills & Languages

- **Programming Languages:** C++, Java, JavaScript, Python
- **Databases & Data:** MySQL, MongoDB, Neo4j, DynamoDB, Tableau
- **Web Development:** HTML/CSS, React.js, Vue.js, TypeScript, Bootstrap, Node.js, Express.js, Flask
- **DevOps & Tools:** AWS, Docker, Git, Kubernetes, Linux, Jira
- **Languages:** Mandarin (Native), English (Intermediate / TOEFL 102 / TOEIC 925), Japanese (Fluent / JLPT N1)

Work Experience

International Integrated Systems, Inc. (IISI)

Taipei, Taiwan

Software Engineer (Full-Stack)

2024/06-2024/08

- Developed a full-stack server monitoring dashboard using Vue.js, Python, and Flask, enabling real-time data refresh and performance tracking for 180+ servers
- Achieved 45% time savings by implementing Python and Pandas for data cleaning and migration to adapt legacy data to the new database schema
- Developed three responsive web interfaces using JavaScript and Bootstrap, including two official websites and a user login interface, and deployed/maintained them using Podman containers

Jing Shun International Co., Ltd.

Taipei, Taiwan

Software Engineer Intern (Backend)

2023/10-2023/12

- Developed REST APIs to automate inventory management using Python, reducing manual processing time by 64%

Selective Projects

Cloud Computing Applications (AWS)

2025/01-2025/05

- **Dynamic AWS Infrastructure (Elastic Load Balancer, Auto Scaling, Security Group):** Designed and deployed an auto-scaling AWS infrastructure (EC2, ELB, Security Group) to dynamically handle traffic, improving cost efficiency
- **Real-Time Stock Data Streaming Platform (Flink, Kinesis):** Built and deployed a real-time stock analytics pipeline using Flink, Kinesis, and PyFlink to process >9K messages/sec, detect anomalies, and compute financial indicators

Academic Research Explorer – Team Project (MySQL, MongoDB, Neo4j, REST APIs)

2025/01-2025/05

- Showcased database expertise by integrating MySQL, MongoDB, Neo4j for multi-source data analytics
- Optimized query performance by 40% using aggregation pipelines, graph indexes, and composite primary keys

3D terrain simulator (Python, JavaScript, WebGL)

2024/09-2024/11

- Implemented a CPU-GPU rendering pipeline to generate an interactive 3D terrain with Blinn-Phong shading, real-time camera control, and dynamic erosion simulation
- Demonstrated proficiency in graphics programming and parallel computation