YuTing (Nick) Lin

+886-922-217-691 | et20300051@gmail.com | github.com/NICKLIN13 | www.linkedin.com/in/yuting-lin-tw

Education

University of Illinois Urbana-Champaign (UIUC)   Illinois, USA
Master of Computer Science (GPA: 3.89/4.0)   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)

Skills & Languages

- **Programming Languages:** C++, Java, JavaScript, Python
- **DevOps:** AWS, Docker, Git, Kubernetes, Linux
- **Databases:** MySQL, MongoDB, Neo4j, DynamoDB, HBase
- **Web Development:** HTML/CSS, React.js, Vue.js, TypeScript, Bootstrap, Node.js, Express.js, Flask
- **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 login portal, and deployed with Podman containers for consistent cross-environment maintenance

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 (EC2, Security Groups, Auto Scaling):** Designed and deployed an auto-scaling AWS infrastructure by configuring EC2 Launch Templates, Security Groups, and Elastic Load Balancer, automatically adding/removing instances based on traffic load, improving cost efficiency
- **Real-Time Stock Data Streaming Platform (Flink, Kinesis, PyFlink):** Built a stock pipeline using Kinesis for high-throughput streaming and Flink/PyFlink for processing and computing indicators to detect anomalies in real time

Academic Research Explorer – Team Project (MySQL, MongoDB, Neo4j, REST APIs)   2025/01-2025/05

- Integrated 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

- Developed a CPU-GPU rendering pipeline to generate an interactive 3D terrain with Blinn-Phong shading, real-time camera control, and dynamic erosion simulation, enabling smooth visualization and efficient parallel computation