Rung-Shiang (Vincent) Hung

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EDUCATION

Clemson University **Aug 2021 - May 2026**

B.S. in Computer Science | Minor in Cybersecurity | GPA: 3.58/4.00 | Dean's List (5 semesters)

- Relevant Coursework: Software Development, Database Systems, Algorithms, Network Programming, Machine Learning, Cybersecurity, Artificial Intelligence, Cloud Computing

WORK EXPERIENCE

Michelin Capstone Developer **Aug 2025 - Present**

Michelin Clemson Project

- Use AWS Transform to extract business logic from 5,000+ COBOL codes for mainframe micro-transition, reducing manual analysis effort and accelerating understanding of legacy systems
- Build RAG pipeline with Llama3 to modernize legacy code with missing dependencies into functional Java code, improving migration accuracy and efficiency
- Incorporate AI with code documentation and frontend visualization to enhance system maintainability and reduce migration costs

Zonal Architecture Testbed Research Assistant **Aug 2025 - Present**

Clemson Creative Inquiry

- Conduct graduate research developing Electronic Control Units (ECUs) systems to evaluate automotive zonal network architectures, enabling scalable and secure testing of in-vehicle communication
- Implemented Material UI and Grafana to improve accessibility and streamline experiment setup for engineers
- Developed Python servers to implement SOME/IP service request protocols for test messaging in ECSs

Information Technology Intern **May 2024 - Aug 2024**

First Quality

- Resolved critical software update failure, restoring system stability under time constraints
- Designed and deployed IT network solutions to solve 200+ equipment malfunction problems
- Collaborated with network teams to successfully resolve over 400 infrastructure and maintenance tickets.
- Communicated proactively with stakeholders to identify their preferences and align solutions with their needs.

PROJECTS

Multiplayer Boardgame Platform **Jul 2025 - Aug 2025**

- Designed real-time game mechanics with WebSocket APIs using AWS Lambda and DynamoDB
- Implemented AI opponent logic and turn-based flow supporting both single and multiplayer modes
- Streamlined CI/CD pipeline with GitHub Actions for automated serverless deployments

Collaborative Task Management Tool **May 2025 - Jun 2025**

- Built a Trello-style web application using React, TypeScript, Firebase, and Tailwind CSS
- Designed responsive UI with Tailwind CSS to enhance user experience and accessibility
- Configured Firebase Authentication for secure user login and live access control

System Security Log Analyzer **May 2024 - Aug 2024**

- Developed a real-time Linux log monitoring tool that parses Linux system logs to detect events
- Integrated machine learning pipeline (Random Forest Classifier) to automatically classify severity levels
- Built an Jupyter interactive dashboard to visualize trends, severity level, and anomalies creasing system awareness

TECHNOLOGIES AND LANGUAGES

- Programming Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, C/C++, C#, SQL
- Frameworks & Libraries: React, Firebase, jQuery, NumPy, Bootstrap, Tailwind CSS, SCSS, Next.js
- Technologies & Others: Linux, Git, AWS services, Unity, Postman, Docker, Gatsby