Yuchung Wu (Troy)

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LinkedIn: https://www.linkedin.com/in/wu-troy/ | GitHub: https://github.com/troythetre/portfolio

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EDUCATION

Loyola Marymount University (2021-2025)   Los Angeles, CA

Bachelor of Science in Computer Science, *minor in Statistics & Data Science*

Dean's List: Fall 2022, Spring 2024, Fall 2024

SKILLS

Programming: Python, Java, C, C++, JavaScript/React/React Native, Swift, R, HTML/CSS

Data & Analytics: MySQL, NumPy, Pandas, MATLAB, SPSS

Tools/Software: Visual Studio, Eclipse, Xcode, Postman, Excel, R Studio

PROFESSIONAL EXPERIENCE

Backend Express Developer, **GBCS SkyIT**   **May – August 2025**, Remote

Ranked 2nd place in the performance review of 50 interns

- Developed and secured RESTful APIs with Express.js, SQL, and cookies; integrated with a React frontend
- enabled CSV/Excel exports, and coordinated progress reporting with the CEO and development team

Software Engineer, **Splitz**   **May – August 2024**, Los Angeles, CA

- Developed a blockchain-integrated music platform in React Native with cryptocurrency payments and AI-based user personalization

UI/UX Director, **Los Angeles Loyolan**   **February 2022 – November 2023**, Los Angeles, CA

- Led full platform redesign, increasing audience reach by 40%
- Earned national awards, including Best Website (Associated College Press, 2022) and Gold Crown Award (Columbia Scholastic Press Association), Best of Show Website (MediaFest22)

Business Development Internship, **Industrial Securities**   **June 2023**, Shanghai, China

- Built a Bayesian Network model for financial risk assessment, supporting product development and hedging strategies in volatile markets

PERSONAL PROJECTS

MyCampusGym (Aug – Dec 2024) – Group mobile app helping students create personalized workout and diet plans. (repo link)

Shanghai Rich Investment Fund (May 2023) – Stock forecasting tool using LSTM neural networks in Python.

Nth-Order Nonlinear Differential Equation Solver (2021) – Built solver improving computation in logistic models and antenna analysis

Phase-Locked Loop Algorithm Development & Analysis (Aug 2019 – May 2021) – Research paper and EDA tools for PLL design optimization used by Garmin engineers.