Leo Chen

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Personal Website: https://leochen21.github.io/

EDUCATION

Purdue University, *West Lafayette, Indiana* ***Aug 2021 – December 2024***

Bachelor of Science in Computer Engineering GPA: 3.5/4.0

Relevant Coursework: Artificial Intelligence, Software Engineering, Python for Data Science, OOP C++, Remote Sensing, Optimization

EXPERIENCE

IEEE X Purdue Low Power Computer Vision Challenge

Research Co-Team Leader **May 2023 – May 2024**

- Served as **lead author** for research paper available at: arxiv.org/abs/2403.07153.
- Hosted online competition attracting **117 international teams**, yielding **475 valid submissions**.
- Developed **AI sample solution** (see paper) for participants to reference and serve as benchmark.
- Created an **automatic evaluation system** measuring inference time, leveraging CUDA.
- Managed **web app** connected to Jetson Nano over secure remote access available at lpcv.ai.

Revature Pre-Training Program

Backend Developer **Apr. 2025 – Jun. 2025**

- Developed programming skills in Java, SQL, RESTful API Construction.
- **Implemented projects** with both the Javalin and Spring Frameworks.

Acuinas

Software intern **Jun. 2021 – Aug. 2021**

- **Identified opportunities** to invest in musicians with high probability of success using **regression AI model**.
- Provided **actionable insights** to musicians after **refining data** sourced from API.
- **Coordinated across fields** with a diverse team of 13 specialized interns.

UnityisStrength

Website designer **Jul. 2024 – Aug. 2024**

- Redesigned and added multiple pages. https://unityisstrength.io/
- Implemented robust appointment system.
- **Simplified donation process** with DAF widget.

Hicks Undergraduate Library

Student Librarian **Sep 2022 – Dec. 2024**

- Responsible for assisting visitors with all possible miscellaneous tasks.
- Handled onsite power switches for closing and starting shifts.
- Informed borrowers when loaned books or devices were overdue.

PROJECTS

Basketball Form Analysis Web App: https://github.com/LeoChen21/DaVinci

- Built **Fullstack AWS web app** that accepts videos and returns an **AI generated form analysis video**.

Trustworthy Module Registry: https://github.com/ECE-461-Team-9/Course-Project-Phase-2

- Led Development of **Fullstack AWS web app** package registry that **evaluates packages for reliability**.

Skills

- Programming Languages: Python, Java, JavaScript/TypeScript, C/C++, SQL