Eunsoo Pang

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Education

University of Michigan - Shanghai Jiaotong Joint Institute 2023 - Present
B.S. in Electrical and Computer Engineering

Global Vision Christian School, Korea / High School 2019 - 2023
Highest Honors (GPA 3.8).
AP Computer science (5.0)
AP Calculus AB (4.0)
Software competition 3rd place

Liberty Christian Academy, USA / Middle School 2016 - 2019
Highest Honors (GPA)

Professional Experience

Data Decentralization - Shanghai Jiao Tong University - 45th PRP Program Jan. 2024 - Feb 2025

- Designed and implemented project architecture for database management.
- Developed a fragmentation algorithm based on research on space-efficient computational multi-secret sharing, optimizing performance while ensuring suitability for project requirements.
- Conducted performance benchmarking and testing to validate efficiency improvements.

Solar-Powered Aircraft Project *-Best Performance Award-* Mar 2024 - Jul 2024

- Designed and built a functional solar-powered model aircraft integrating photovoltaic panels and energy storage for sustained flight .
- Led mechanical design and system integration with focus on energy efficiency, stability, and control.
- Recognized with the Best Performance Award among student teams

Application Developer - WalkingWithThooly (github.com/Dpang08**)** Jun 2022 - Oct 2022

- Designed and implemented an Android application that integrates Google Maps API to provide users with real-time location tracking and sharing capabilities.
- Developed a messaging feature within the app, ensuring user communications are encrypted and securely transmitted.
- Leveraged Firebase Realtime Database for efficient data synchronization, enabling seamless user experiences across devices.

AI Fake News Detector - The 6th National High School Club Software Competition Dec. 2021

- Built a Chrome extension in *JavaScript* to detect and flag AI-generated fake news.
- Integrated Google Fact Check API to verify factual claims and BERT-based NLP model to evaluate linguistic authenticity and bias patterns.
- Implemented a hybrid pipeline combining rule-based keyword detection, content reliability scoring, and semantic similarity analysis to known verified news sources.

Skills

- **Languages**: Korean - Native, English - Proficient, Chinese - Beginner.
- **Programming languages** : C++, C, Java, Matlab, Flutter, Verilog.

Activities

- High School Coding Tutor Feb 2021 - Jun 2021
- Youth Interpreter Service Dec 2018 - Apr 2019
- International Youth Intelligence Service (Leadership and AI) Dec 2018 - Feb 2019