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
       Graduated with Highest Honors.
       AP Computer science - Score: 5
       AP Calculus AB - Score: 4
       AP Class : Calculus AB, Physics
       Software competition 3rd place

Liberty Christian Academy, USA / Middle School 2016 - 2019
       Graduated with Highest Honors
       Honors: English, Biology, Algebra 2

Skills

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

Activities

- High School: Coding mentoring service   Feb 2021 - Jun 2021
  - Taught Java and data structure.
- Youth Interpreter Service   Dec 2018 - Apr 2019
  - Translated Technology related essays from English to Korean.
- International Youth Intelligence Service   Dec 2018 - Feb 2019
  - Learned and taught the fundamentals of AI.
  - Learned and taught Speech skills
  - Learned and taught fundamentals of Leadership

Professional Experience

Database Developer - Shanghai Jiao Tong University - 45th PRP Program   Jan. 2024 - Present
- 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.

Software Developer: The 6th National High School Club Software Competition   Dec. 2021
- 3rd place award.
- Designed an extension program that can detect fake news made by AI:
- Code with Java Script, used Google Fact Check API and Bert to check text.

Application Developer - WalkingWithThooly   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.

Extra Curriculum Activities

Mad at Computer Science Club leader   Aug 2021 - 2022
Taught 7 students to prepare AP Computer Science test using Java
(5 students got score 5).