

**SUMMARY**

Pursuing a Bachelor of Science in Computer Science with a Physics minor while competing as a Division 3 baseball player. Willing to travel and able to relocate for a summer internship. Available May 2023. US citizen.

**EXPERIENCE****Washington University in St. Louis - Independent Research Leader** August 2022 - Present

- Created a modern landline system by working with Professor Ron Cytron with Twilio, WebRTC, and customized VoIP
- In the process of manufacturing a virtual number to a WebRTC browser that calls a restful API from a mobile application to connect voice peer-to-peer connection with Wifi constraints

**AMPOS Solutions - Frontend Software Engineer Internship** June - August 2022

- Created a prototype grading app (IOS/ANDROID) in collaboration with a group of Thai interns to be used by the Chulalongkorn University
- Designed Datepicker, login/register, evaluation forms, reactive widgets in Flutter/Dart/C++/CMake
- Worked directly with the client and designer, demoing progress weekly

**Kamnoetvidya Science Academy (KVIS) - Research Project Leader** January 2018

- Coordinated a fluid dynamics physics research project, analyzed videos through LoggerPro to examine properties of umbrella laminar flow fountains
- Fostered enhanced team dynamics while overcoming language barriers by communicating in a foreign language, Thai
- Converted data results into technical writing that was submitted to journal publisher, ISB Journal of Physics

**EDUCATION****Washington University in St. Louis**

Graduation: May 2024

Bachelor of Science in Computer Science, Minor in Physics

Engineering GPA: 3.80

## Completed Courses

- |                                      |                                  |                               |
|--------------------------------------|----------------------------------|-------------------------------|
| ● Introduction to Intelligent Agents | ● Object-Oriented Software       | ● Rapid Prototype Development |
| ● Computer Science                   | ● Data Science                   | ● Differential Equations      |
| ● Computer Engineering               | ● Data Structures and Algorithms | ● Matrix Algebra              |
| ● Logic & Discrete                   | ● Physics I & II                 | ● Quantum Physics I & II      |

**International Baccalaureate diploma at the International School of Bangkok** 2017 - 2020

- Achieved a score in 90th percentile including a perfect score on the physics biometrics lab on ankle dorsiflexion and vertical jump
- Earned a score in the 80th percentile in higher level physics & 93th percentile in advanced standard level mathematics
- Awarded the high-honor achievement award for academic success all four years

**TECHNICAL/EXTRA-CURRICULAR SKILLS****Software Languages:** Java, Python, Arduino C, C++, Flutter, Dart, HTML, PHP, CSS, MySQL**Equipment:** Arduino, Texas Instruments (motion sensor, force sensor)**Applications:** rStudio, Github, LoggerPro, Jupyter Notebook, VS code, terminal

Advanced Japanese and basic Thai language competencies

Leader of Varsity Council at International School of Bangkok

Dual citizen (U.S/Japanese) born and raised in Thailand