

PHUYKONG MENG

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EDUCATION

Temple University

Bachelor of Science in Computer Science

May 2025

GPA: 3.82

EMPLOYMENT

Neural Engineering Data Consortium

Software Developer

Aug 2021 – Present

Philadelphia, PA

- Developed over 5 python classes and scripts that are used throughout the group which save over 50% of development time. Scripts that read and write the group's XML and CSV format files, a style checker that follows the group's guidelines, and automatically filter AWStats text file for visitors count.
- Led a software team of 3 other developers by doing code reviews on style formatting and weekly progress update. Collaborated with them to score and evaluate two machine learning system that deals with EEG Seizure Detection and Digital Pathology.
- Developed and maintain over 5 websites that display current ongoing projects, a conference website for IEEE, and a website that monitors the system's loads. Learned PHP in a month in order to create a submission form for the IEEE conference which streamline the process of signing up.

PROJECTS

Full Stack Online Store

Typescript, Vue.js, Node.js, Express.js, MongoDB

<https://github.com/M-Phuykong/Aesthetique-Trend-Frontend>

Built a full-stack online store using Vue JS Framework utilizing MongoDB as the database. Created a REST API with Express JS that simplified data retrieval and update from and to the database. This started as an ambitious project that I worked on to help promote a friend's business.

Synthboard

Typescript, Node.js, ReactTS, ExpressJs

<https://github.com/M-Phuykong/synthboard-react>

Developed a website that utilizes Spotify REST API and React Framework to display the user's top tracks and artists that allow the user to customize their date range with a twist of physics rendering and 90s inspired theme. I started this project as I wanted to be comfortable with REST API, React Framework and interactive user experience.

CUDA Signal Resampling

C++, CUDA

Built a signal resampling tool in C++ with the CUDA API to utilize the GPU computation powers. By using parallel reduction and multithreading, I managed to get a speedup of about 100x the CPU speed. This was my final project for my GPU computation class.

TECHNICAL SKILLS

- Languages: Python, HTML, CSS, Javascript, Bash, C++, Java, Typescript
- Frameworks and Libraries: Vue.js, Node.js, Express.js, ReactTS, MongoDB, CUDA
- Tools: Git, Linux

