# PHUYKONG MENG

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### EDUCATION

**Temple University**                                                                                                    May 2025
Bachelor of Science in Computer Science                                                                           GPA: 3.82

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### EMPLOYMENT

**Neural Engineering Data Consortium**                                                             Aug 2021 – Present
Software Developer                                                                                               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.

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### PROJECTS

**E-Commerce 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, ReactJS, Express.js, MatterJS
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.

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### TECHNICAL SKILLS

- Languages: Python, HTML, CSS, Javascript, Typescript, Java, Shell Script

- Frameworks and Libraries: Vue.js, Node.js, Express.js, React, MongoDB, CUDA

- Tools: Git, Unix