PHUYKONG MENG

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EDUCATION

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

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.

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.

Spotify Dashboard Javascript, Node.js, Vue.js, ExpressJs
https://github.com/M-Phuykong/spotify-dashboard-vue
Developed a website that utilizes Spotify REST API and Vue JS Framework to display the user's top tracks and artists that allow the user to customize their date range. I started this project as I wanted to be comfortable with REST API and the Vue Framework.

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
- Frameworks and Libraries: Vue.js, Node.js, Express.js, MongoDB, CUDA
- Tools: Git, Linux