

Phuykong Meng

m.phuykong@gmail.com

<https://mphuykong.dev>

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

Education

Temple University – Bachelor of Science in Computer Science, 3.87

Expected May 2025

Work Experience

Student Researcher, Neural Engineering Data Consortium – Philadelphia, PA August 2021 – Present

- Led a group of 3 undergraduates with weekly standup and code reviews, cutting down miscommunication and increasing team efficiency
- Developed and designed 3 data classes using Python that transform data into a uniform structure, reducing code complexity and improving code maintainability and reusability
- Evaluated and refactored 2 machine learning Resnet18 systems written using Python, Sklearn for publications' Improved the group's website using Figma, HTML, CSS, and Javascript, improving user flow, content organization, and user accessibility
- Integrated a signup sheet using PHP for the IEEE conference website, streamlining the signup process

Software Developer Intern, Strados Labs– Philadelphia, PA June 2023 – August 2023

- Developed a web application using HTML, SCSS, Javascript, and D3.js that visualizes UMAP data mapping of patient's cough recording to streamline the QA process, decreasing the QA time by 50%
- Integrated API calls to the backend server which connects to an Amazon S3 bucket that fetches and uploads files, adding a layer of security in protecting patients' data

Projects

Fit-tastic (Owl Hack Spring 2023 Winner) <https://devpost.com/software/fit-tastic>

- Led the development of a React web app for fitness planning with fluid and user-accessible UI during the hackathon, helping to lower the barrier of entry to healthy eating
- Integrated the OpenAI GPT-3 Chatbot API into the application, enabling natural language interaction and personalized fitness recommendations for users.

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

- Developed a 90s-themed website with React, showcasing users' top tracks and artists within customizable date ranges, alongside interactive physics rendering and fluid animations
- Created a fully specified REST backend using Node.js and Express.js that handles the communication between the app and Spotify's API, allowing the app to scale by adding new endpoints to the backend server

Portfolio <https://github.com/M-Phuykong/pk-portfolio>

- Designed and developed a React website using the Gatsby framework, Greensock, and Framer motion showcasing user-interactable components and vivid animations

Skills

Languages: Python, TypeScript, C++, Java, JavaScript, HTML, CSS, Bash, PHP

Frameworks and Libraries: ReactJS, D3.js, CUDA, Node.js, Express.js, Sklearn

Tools: Git, Figma, AWS (S3, EC2, ECR), Docker, CI/CD, Jira