

Nick Zhong

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EDUCATION

- **Carnegie Mellon University** Pittsburgh, PA
B.S. Electrical and Computer Engineering | Minor Computer Science 2020 - 2024
 - **Coursework:** Computer Networks (G), Cloud Computing (G), Deep Learning (G), Computer Security, Embedded Systems, Web Application Development, Data Structures & Algorithms

SKILLS

- **Languages:** Python, C, C++, LaTeX, Bash
- **Frameworks:** PyTorch, Svelte, SvelteKit, React Native, Supabase, Nginx
- **Tools:** Git, Docker, Kubernetes, Terraform, GCP, AWS, Azure

EXPERIENCE

- **Langham Hall** Singapore, SG
Database & Information Systems Intern Jun 2022 – Aug 2022
 - Migrated WordPress intranet server and database to a private cloud and set up MFA login
 - Automated generation and dispatch of side letters and investment data requested by clients

RESEARCH AND PROJECTS

- **SGS ClinicalHelper App** Aug 2024 – Present
 - Building a React Native app that fully digitizes the self-reporting process for clinical trial participants
 - Currently participant compliance is a critical challenge for clients such as L'Oreal, Johnson&Johnson
- **Teach the Shoah/SWIGGI Interactive Museum Tour Guide** Jun 2024 – Sep 2024
 - Built an interactive browser companion app with Svelte for a Holocaust museum in Vienna
 - User-friendly interface tracks location and automatically opens display cards when visitors approach exhibits
- **DARPA SubTerranean Challenge | Robotics Institute** Pittsburgh, PA
Research Assistant Sep 2020 – Jun 2021
 - Wrote SLAM algorithms for a blackbox sensor system attached to state-of-the-art snake robots
 - Analyzed recursive Markov blanket approach for feature extraction from multi-modal sensor output data
- **CNT Wearables | NanoTech Institute** Dallas, TX
Research Assistant Jan 2020 – Jul 2020
 - Fabricated flat, lightweight, flexible loudspeakers using high thermoconductivity carbon nanotubes sheets
 - Wrote audio processing algorithms for parallelized speaker system to play more complex music

EXTRACURRICULARS

- **Phi Delta Theta Secretary** Jan 2022 – Dec 2022
 - Executive-board member, oversaw committee meetings and started an alumni newsletter program
- **Core@CMU Teaching Assistant** Aug 2021 – Jan 2023
 - Led weekly recitation sessions and office hours for 2 sections of a 200-man roster