Michael Wong

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EDUCATION

University of Wisconsin, Madison | Madison, WI   *September 2021 - present*
Bachelor of Science, Double major in Computer Science, Mathematics
- Activities and Societies: Kappa Eta Kappa (Asst. Treasurer, Web Developer), Christian Students @ UW-Madison
- Relevant coursework: Algorithms, Artificial Intelligence, Blockchain Technologies, Computer Networks, Operating Systems, Linear Optimization, Real Analysis, Theory of Probability

TECHNICAL SKILLS

- **Languages** — Python, Java, C, SQL, Haskell, Javascript, PHP
- **Frameworks and Development** — PyTorch, Django, React, HTML, CSS
- **Other** — Git, AutoCAD, Solidworks, Illustrator, Indesign

EXPERIENCE

Math and Science Tutor   *February 2023 - present*
- Conduct online freelance tutoring for 20 certified classes in math, computer science, and college exams, evaluate students and identify areas of improvement, and create personalized lessons for individual and group sessions.
- Advised five students in algebra and geometry at Memorial High, documented growth, and revised tutoring material.

IT Intern   *February 2023 - December 2023*
Wisconsin Historical Society | Madison, WI
- Organized, deployed, and maintained IT devices, providing technical and inventory support for 16 satellite locations.
- Conducted production website upgrade project testing in PHP and analyzed the viability of website theme changes.
- Maintained and updated multiple inventory lists of electronics and cell phones, and a 300-plus person staff directory.
- Assisted on optic fiber cable installation across five floors of the headquarters building for ISP transition project.

PROJECTS

Personal Project - Finance Planner   *January 2024 - present*
Skills: Full Stack, Django, MySQL, React.js
- Develop a web application using Django stack with MySQL and React to provide personal financial planning.
- Simplify access by reducing preliminary questions through the integration of AI models predicting user financials.
- Integrate data visualization libraries to generate comprehensive financial graphs and projections.

Website Development   *May 2023 - present*
Skills: HTML, CSS, Javascript, Ruby, Jekyll, Github Pages, AWS Webhosting
- delta.khk.org — Manage the organizational website site for technical upgrades and regular updates of society news.
- Wisconsin Historical Society internal website — Provided technical support, software testing, and content updates.
- michaelkyw.com — Developed a responsive, personal website hosted on AWS using HTML, CSS, and JavaScript.

Research Project in Computer Systems   *May 2023 - September 2023*
Skills: Python, Asynchronous Programming
- Assisted Dr. Kai Mast in the development of Byzantine-failure tolerant systems and implementation of Bitcoin-NG
- Studied blockchain replication protocols and parallel transaction validation and serialization in consensus protocols

Distributed File System | CS537 Intro to Operating Systems   *November 2022*
Skills: C, Linux, Distributed Systems, Network File Systems
- Developed a working distributed file server as a stand-alone UDP-based server, building a client library to access on-disk, fixed-sized files, and created a block data structure to handle hundreds of files in nested directories
- Ensured server idempotence to allow the client to retry operations in case of system crashes

ADDITIONAL

- **Languages** — English, Cantonese, Mandarin, and Spanish