Michael Wang

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EDUCATION

Northeastern University   **2017 - Fall 2020**
Bachelor of Science, Mathematics

Palo Alto High School   **2014 - 2017**

SKILLS

Computer skills : Python, LaTeX, Fusion360, Basic Arduino
General : Mathematical modelling, data analysis, excel,

WORK EXPERIENCE

Tavern of Tales, *Line Cook,* Boston, MA   **Summer 2022 - Present**
Hand crafted sandwiches and appetizers, managed inventory and stock, and revamped the menu options to optimize ingredient use while minimizing waste.

Central Rock Gym Boston *Coach & Setter*   **Spring 2021 - Present**
Taught intermediate and advanced climbing technique courses. Focused on presenting techniques as applied problem solving, so that students/athletes can learn to apply techniques on their own. As a setter, focused on creating interesting, unique and demanding movement through climbs.

Zuma Boston, *Line Cook,* Boston, MA   **Winter - Spring 2021**
Tossed salads, plated sashimi and prepared components for every dish at the station. Frequently served 200+ reservations as well as walk-ins. Required an eye for detail and aesthetics, the ability to work quickly, as well as plan/prep ahead.

Mathematics Research Program, Boston, MA   **Summer 2019**
Selected for Northeasterns NSF funded undergraduate research program. Studied the abelian sandpile model, while working with a Ph.D candidate and professor. Gave two talks to the Northeastern math department, along with a short survey paper.

Northeastern University, *Math Tutor,* Boston, MA   **2017 - Spring 2020**
Peer tutor for university students and private tutor for elementary school students. Tutored group theory, linear algebra, and partial differential equations through the university. For elementary school students: solidified current curriculum, while teaching more advanced concepts in preparation for future challenges. Involved coordinating schedules, contacting students about specific topics that need attention.

MakeX, *Co-director and Volunteer Mentor,* Palo Alto, CA   **2015 - 2017**
Managed MakeX, a free access makerspace run by high school students. Served the community as an outlet for creative and engineering help. Used CAD software and advanced prototyping tools. Delegated tasks to peers and managed the budget.

COURSEWORK & PROJECTS

- Abstract Algebra & Galois Theory, Linear Algebra & Matrix Theory
- Machine Learning
- Survey papers on abelian sandpile model and algebraic combinatorics
- Codenames (boardgame) playing bot using natural langauge processing
- Food science project exploring expansion factor of pâte à choux
- More projects on my blog:

ACTIVITIES & INTERESTS

- Rock climbing
- Piano
- Cooking and baking
- Gardening