Emery Mangona

Cambridge, MA

LinkedIn | GitHub

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SKILLS

Technical Skills : JavaScript, HTML, CSS, LaTeX, MATLAB, Visual Studio Code, Git, Mathematics

Soft Skills : Prioritizing & Planning, Adaptability, Collaboration

PROFESSIONAL EXPERIENCE

STEM Teacher/Mentor   Jan 2022 – Present
Fusion Academy   *Chicago, IL & Newton, MA*

- Taught students with neurodiverse backgrounds one-on-one in multiple STEM classes
- Designed individualized STEM courses to fit varying student learning profiles

Front-of-House Manager, Bartender & Server   Apr 2018 – Dec 2021
Various Restaurants   *Norfolk, VA & Chicago, IL*

- Managed restaurant front-of-house teams of 3 or more, creating floor plans and managing customer feedback
- Assisted a family-run business in calculating profitable prices for bar items

Navy ROTC Color Sergeant   Aug 2017 – Dec 2019
Hampton Roads NROTC   *Norfolk, VA*

- Led the Naval ROTC program's color guard consisting of groups of 8 midshipmen each year for two years
- Corresponded with university coordinators to organize various events
- Assisted in planning outreach events by assembling and training color guard teams for military commands, organizations, and ceremonies

INDIVIDUAL PURSUITS

Student Mentoring   *Mar 2022 – Present*   Chicago, IL & Cambridge, MA

- Mentored 6 students, ranging from 6th grade to 12th grade
- Assisted in fulfilling student goals academically, socially, and emotionally through one-on-one meetings and introspection

Frontend Software Development   *Jan 2021 – Present*   Chicago, IL & Cambridge, MA

- Self-taught frontend development using **HTML**, **CSS**, and **JavaScript**
- Learned how to **optimize time** learning while working full-time

ODU Independent Research   *Aug 2017 – Dec 2020*   Norfolk, VA

- Analytically and computationally created a light pipe to force rays to have specific topology on exit using **MATLAB** for a departmental thesis
- **Collaborated** with different physics lab groups to make a switch into computational physics projects mid-year due to pandemic
- Learned how to **manage a large-scale programming project** by breaking it into goals with self-imposed deadlines and **flexibility** to reassess needs of the project

EDUCATION

Old Dominion University   Norfolk, VA
Bachelor of Science in Physics   *Aug 2016 – Dec 2020*

CERTIFICATIONS

- Codecademy: Intermediate JavaScript
- Codecademy: HTML
- Codecademy: CSS