

# Emery Mangona

[Personal Site](#) | [LinkedIn](#) | [GitHub](#)

Cambridge, MA

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## SKILLS

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

**Soft Skills** : Prioritizing & Planning, Adaptability, Collaboration

## PROFESSIONAL EXPERIENCE

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### STEM Teacher/Mentor

*Fusion Academy*

Jan 2022 – Present

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

*Various Restaurants*

Apr 2018 – Dec 2021

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

*Hampton Roads NROTC*

Aug 2017 – Dec 2019

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

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### 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

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### Old Dominion University

*Bachelor of Science in Physics*

Norfolk, VA

Aug 2016 – Dec 2020

## CERTIFICATIONS

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- [Codecademy: Intermediate JavaScript](#)
- [Codecademy: HTML](#)
- [Codecademy: CSS](#)