

Emery Mangona

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

Cambridge, MA

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SKILLS

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

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

PROJECTS

Pokédex

HTML, CSS, JavaScript

Cambridge, MA

- Developed a searchable Pokédex connected to Poké**API** to display Pokémon and they're Pokédex entries
- Learned how to connect a webpage to an API and **manipulate the DOM**

VOLUNTEER EXPERIENCE

Frontend Developer

Code for Boston – Urban League of Eastern MA

Apr 2023 – Present

Boston, MA

- Technologies used: **ReactJS**, **MaterialUI**, **Github**, **Vercel**

Student Mentor

Fusion Academy

Mar 2022 – Present

Chicago, IL & Newton, MA

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

PROFESSIONAL EXPERIENCE

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

INDIVIDUAL PURSUITS

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

Bachelor of Science in Physics

Norfolk, VA

Aug 2016 – Dec 2020