

# Michael Abatemarco

(347) 870-1439  
mabatemarco928@gmail.com

*I am a multidisciplinary manager with a solid foundation in physics, education, and social policy. I am currently applying my technical expertise and organizational skills to the field of neuroscience research. I am passionate about developing elegant, scalable solutions that bridge the gap between complex technical challenges and real-world impact. I excel in collaborative environments, leveraging strong communication skills to coordinate across teams and ensure alignment on scheduling, goals, and results. My broad background in engineering, teaching, and policy analysis informs my approach to solving problems with both technical rigor and social awareness.*

## RELEVANT EXPERIENCE

### Tunecore - Software Engineer

09/2021 - 02/2023

- Developed and maintained a user interface for the Supply Chain squad, enabling the organization and distribution of music to all streaming platforms.
- Managed a high-volume delivery system, processing hundreds of thousands of music deliveries daily with an emphasis on reliability and scalability.
- Collaborated with cross-functional teams in an agile environment to identify bugs, implement improvements, and integrate new features to enhance the user experience.

### Shop Locus - Lead Software Developer | Project Manager

07/2020 - 09/2021

- Architected and developed a Ruby on Rails backend with 70+ database tables, managing merchant partners, users, inventory, and orders.
- Developed and built a responsive React front-end with real-time messaging and integrated Stripe for payments, subscriptions, and financial transactions.
- Worked as a liaison between technical, UX, and business teams to ensure the product met customer needs and business goals.

### LaGuardia TechHire - Program Lead

02/2020 - 12/2020

- Designed and taught software development courses and workshops, helping aspiring developers to build the skills needed to succeed in the tech industry.
- Monitored student progress and provided one-on-one support to ensure mastery of key technical concepts and programming languages.
- Coordinated logistical support to both students and teachers, ensuring they had access to all resources needed to make the program successful.

### Minneapolis Public Housing Authority - Housing Coordinator

04/2015 - 10/2017

- Worked with tenants to address housing needs, navigate the application process, and resolve issues related to eligibility and requirements to serve our mission of providing affordable housing to over 26,000 low-income individuals and families.
- Maintained accurate and up-to-date records of tenant information, applications, and housing documentation to ensure program compliance and facilitate timely and clear communication between tenants and housing authorities.

## EDUCATION

### General Assembly

New York, NY - 01/20  
Full Stack Software Engineering  
Certification

### Macalester College

Minneapolis, MN - 05/10  
Bachelors of Arts - Physics

## SKILLS

### Technical Management:

Capable in equipment installation and management at the hardware and software levels.

**Resource Coordination:** Adept at managing both physical and digital resources, ensuring that all stakeholders have access to the tools, materials, and information they need to succeed.

**Scheduling & Logistics:** Skilled at handling complex scheduling and logistics, ensuring smooth operations and minimizing disruptions.

**Process Optimization:** Focused on identifying opportunities to streamline workflows and improve resource allocation.

**Documentation & Reporting:** Strong in creating and maintaining clear documentation, ensuring transparency and clarity.

## RESEARCH

**Using time-resolved ultrafast transition spectroscopy to determine carrier relaxation times in graphene**