

# Kevin Calle Matute

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## EDUCATION

**Montclair State University**, Montclair, NJ

May 2025

*Bachelor of Science: Computer Science*

GPA: 3.76 / 4.0

**Honors:** 5x Dean's List

**Relevant Coursework:** Computer Networks, Computer Systems, Data Structures and Algorithms, Database Systems, Discrete Mathematics, Fundamentals of Programming, Software Engineering I, Systems Programming, Linear Algebra

## EXPERIENCE

### **National Science Foundation**

Montclair, NJ

*Undergraduate Research – National Science Foundation*

June 2024 – August 2024

- Developed a model that can detect AI text-to-video generated videos, utilizing vision-transformers, resulting in a 92% detection accuracy
- Currently writing a paper to submit to an academic journal pending review from my professor

<https://colab.research.google.com/drive/1qHTj34FXoiAuPl1a5tAiSCLBnv928oloD?usp=sharing>

Technologies used: Python, Vision-Transformers, PyTorch, Google CoLab.

### **Computing Club**

Montclair, NJ

*Web Developer and Treasurer*

November 2024 – Present

- Developed club website front-end and maintaining the site to engage members of the club – <https://ccmsu.org/>
- Developed hackathon website to attract sponsors for HawkHack 2025 – <https://HawkHack.ccmsu.org/>
- Managed club finances and budgets for hackathon and workshops to support student empowerment through technology

Technologies used: React.JS, SCSS, JavaScript, TypeScript, Git, GitHub Pages

## PROJECTS

### **Funko E-Commerce Website**

November 2024

- Built a website on Montclair State University's CPanel server for Database Systems
- Developed ER Diagrams, schema, and SQL queries for the backend database

Technologies used: PHP, MySQL, HTML, CSS, CPanel

### **Personal Website - [meetkevin.tech](https://meetkevin.tech)**

November 2024

- Built a website using React to display my projects and skills
- Deployed using Amazon Web Services on AWS Amplify
- Learned how to configure DNS to my AWS server

Technologies used: React.JS, Sass, AWS Amplify, Git, GitHub

### **ICE Maps - <https://github.com/kcalle012/ICE-Maps>**

In Progress

Developing a full-stack web application to track ICE police locations in the U.S.

- Built with React.js and Flask with SQLite (RESTful API back-end)
- Will be deployed on an AWS EC2 instance

Technologies used: React.JS, Sass, EC2, Git, GitHub, OAuth 2.0, RESTful API

## SKILLS

**Programming Languages:** Python, PHP, Java, SQL, HTML, CSS/SCSS, JavaScript, C

**Frameworks and Tools:** React.JS, React Native, Expo, Firebase, Flask, AWS, MySQL, Firestore, NoSQL, VS Code, Anaconda, Jupyter Notebook, Git, GitHub, Linux Terminal, Eclipse, CPanel, GitHub Pages.

**Soft Skills:** Agile development, SCRUM, Spanish