MICHAEL MONTALBANO

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🔗 http://michaelmontalbano.com   📍 New York, NY

EXPERIENCE

Software Engineer

Meta

📅 2020 - Ongoing   📍 Remote

- Developed exciting new map features for Instagram iOS using Obj-C.
- Experimented with new IG feed types connecting multiple APIs to allow a user to interact with posts using Obj-C.
- Helped build new AR iOS app allowing users to scan a room, place AR Objects in room and capture videos using Swift, Obj-C and SwiftUI.

Senior IOS Developer/ Project Manager

Earthcam, Inc.

📅 2020 - 2021   📍 Saddle River, NJ

- Oversaw iOS development of 4 live-production apps in Swift and Obj-C.
- Developed new APIs which allowed users to search cameras for live motion events using a responsive timeline scrubber.
- Decreased crash frequency from 4.8% to 0.7% of all users.

Math Professor/Tutor

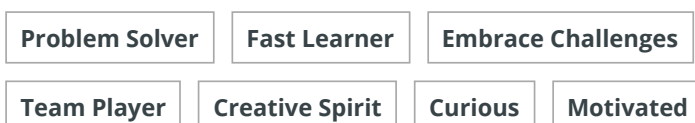**University of Bridgeport**

📅 2011 - 2018   📍 Bridgeport, CT

- Developed a new placement exam with algorithm resulting in a 17% decrease in initial math class dropouts.
- Taught classes in Differential Equations and Multivariable Calculus.
- Published unique test taking strategy videos on YouTube: LINK

SKILLS

Technical Skills

| AI | AWS | Apex | Canvas | CSS | Git | Heroku |

| Obj-C | HTML5 | JavaScript | jQuery | Pandas |

| PostgreSQL | Python | React/Redux | Ruby on Rails |

| Swift | SwiftUI | SQL |

Personal Skills

| Problem Solver | Fast Learner | Embrace Challenges |

| Team Player | Creative Spirit | Curious | Motivated |

EDUCATION

Masters in Math Education

Columbia University

📅 2009 - 2010

Bachelors in Mathematics

Carnegie Mellon University

📅 2004 - 2008

PROJECTS

Tutorius Math

LIVE

A full stack iOS app to provide premium tutoring to underprivileged students .

- Username/Password registration and validation through Firebase.
- Structured database with CoreData and Firestore, monitoring user statistics and providing personalized feedback on weak areas.
- Invented an algorithm in Swift to use LaTeX equations in-line and answered an unanswered stack overflow question on the method: LINK.

monTalk

LIVE   GITHUB

An awesome iOS communication app for teams and organizations.

- Integrated firebase for user authentication and database handling.
- Incorporated listeners for new messages, typing notifications, and broadcasts.
- Super easy UI to start a single/group chat, broadcast a message, or single/group video.

Clark Trophies

LIVE   GITHUB

A slick JS website for a real trophy store in CT.

- Integrated jQuery for extremely responsive filtering, sorting and search.
- Designed mobile friendly admin menus for easy and appealing navigation.