

# Matthew Muccio

118 Lincoln Ave, Ridgewood, NJ 07450

me@matthewmuccio.com • (511) 795-2855 • www.matthewmuccio.com  
www.linkedin.com/in/matthewmuccio • www.github.com/matthewmuccio

## EDUCATION

University of Maryland, College Park

August 2016 – May 2020

**Major:** Computer Science (B.S.), **Minor:** General Business

**CS Coursework:** Algorithms, Adv. Data Structures, Computer Systems Architecture, Computer & Network Security, DB Design, Programming Handheld Systems

**Business Coursework:** Managing People & Organizations, Marketing Principles & Organization, Logistics & Supply Chain Mgmt., Financial Mgmt., Accounting

## EXPERIENCE

Solutions Architect – Amazon Web Services, Inc., Seattle, WA

December 2020 – Present

- As part of the Strategic Accounts team, works with a select set of companies to help them better understand how to build and refine their cloud solutions.
- Assists in identifying customer issues to extend the AWS platform with new services and features, while learning a wide variety of industry-standard cloud technologies from AWS experts; selected as one of twenty-five cohort members to AWS Tech U, an accelerated technical career development program.
- **Leveraged skills:** Amazon Web Services, Solutions Architecture, Information Technology, Professional Service Consulting, Customer Service

Chief Technology Officer, Co-Founder – Nostra (formerly FlashTryp), San Francisco, CA

May 2018 – November 2020

- Managed the development life cycle for all company software products by coordinating the planning, building, testing, and deployment processes for web and mobile applications, cloud architecture, and API infrastructure; oversaw technical onboarding and support for 5+ business clients.
- Led engineering team by ensuring proper implementation of agile software development, code review and QA, and continuous integration/deployment.
- **Leveraged skills:** Amazon Web Services (EC2, Lambda, RDS, S3, etc.), IBM Cloud, Jira, Git, HTML, CSS, JavaScript, Python, Flask, Jinja, MySQL, NGINX, Ubuntu

Microsoft Student Partner – University of Maryland, College Park via Microsoft, Redmond, WA

September 2019 – August 2020

- Served as the sole on-campus representative for Microsoft, by providing awareness, knowledge, and support for Microsoft software, products, and tools to hundreds of students and faculty members, as well as planning, advertising, and hosting technical events and workshops within my campus community.
- Collaborated with on-campus organizations and fellow MSPs by planning and hosting events to create novel technical learning experiences for students.
- **Leveraged skills:** Microsoft Azure, Microsoft Visual Studio, Microsoft Office, Windows Subsystem for Linux, Git, C#, TypeScript, .NET, Information Technology

Google Student Innovator – University of Maryland, College Park via Vaco LLC, San Francisco, CA

July 2018 – June 2019

- Served as the main on-campus resource for Google Cloud Platform, by learning and introducing Google software tools to students and faculty members.
- Partnered with on-campus organizations to recruit over 2,000 students to use GCP, by planning and hosting 25+ events, workshops, and hackathons.
- **Leveraged skills:** Google Cloud Platform, G Suite, Firebase, Android Studio, TensorFlow, Chrome DevTools, Git, Java, Kotlin, Go, Apache, Technical Training

Information Technology & Digital Solutions Intern – The Medicines Company, Parsippany, NJ

June 2017 – August 2017

- Improved company server usage by building an application to track user and server data analytics using Microsoft Power BI and Google Analytics.
- Redesigned company website user interface by using front-end development technologies; provided data entry, documentation, and software testing.
- **Leveraged skills:** Microsoft Azure, Microsoft Power BI, Google Cloud Platform, Google Analytics, Unix, Linux, Bash, SQL, HTML, CSS, JavaScript, Bootstrap, D3.js

## PROJECTS

Foresite Content Curation API – [nostra.ai](https://nostra.ai)

November 2019 – November 2020

- Built a scalable, production-level web API, which leverages client content and end user personality data to provide personalized product suggestions.
- Integrated IBM Cloud (Watson API) for gaining personality insights, OAuth for user authentication via Twitter, and NumPy and Pandas for user data analysis.
- Deployed a reliable solution architecture using AWS: EC2 for web server hosting, Lambda for executing API requests, RDS for hosting a SQL database.
- **Technologies:** Amazon Web Services (EC2, Lambda, RDS, S3), IBM Cloud, Google Analytics, Git, Python, Flask, NumPy, Pandas, SQL, MySQL, NGINX, Ubuntu

FlashTryp iOS Application – [mucc.io/flashtryp](https://mucc.io/flashtryp)

March 2019 – October 2020

- Developed an iOS mobile application using Swift and Objective-C, which creates a feed of personalized site, activity, and live event suggestions for users, by leveraging AWS Amplify to provision and deploy back-end cloud architecture, including database, user authentication, and email verification services.
- Released on the App Store for iPhone and iPad with 500+ authenticated user accounts; application is no longer actively updated, but is still in production.
- **Technologies:** Amazon Web Services (Amplify, DynamoDB, Cognito, SES, S3, AppSync, CloudFormation), PredictHQ API, Git, GraphQL, iOS SDK, Swift, Obj-C

NBA Draft Data Science Project – [matthewmuccio.github.io](https://matthewmuccio.github.io)

October 2018 – December 2018

- Created a data science and machine learning project that attempts to predict the ideal player attributes (age, weight, height, etc.) for a top NBA Draft pick.
- Implemented supervised learning via a linear regression model to discover and visualize a relationship between player data and their actual NBA Draft pick.
- **Technologies:** Python, Pandas, Sci-Kit Learn, Requests, Statsmodels, Matplotlib, Seaborn, JSON, NBA Data API, Git, GitHub Pages, Data Visualization

Web Trader Stock Trading Simulator Web Application – [mucc.io/webtrader](https://mucc.io/webtrader)

June 2018 – July 2018

- Designed a trading simulator web application, where end users can buy, sell, and look up stocks, by using dynamic market data from Markit Data API.
- Initially built a command-line trading simulator program, ported it to a web application with additional features, including user auth. and an admin panel.
- **Technologies:** HTML, CSS, JavaScript, Bootstrap, Python, Flask, Jinja, Git, JSON, Markit Data API, SQLite, Jupyter Notebook

## SKILLS

**Advanced:** Amazon Web Services, Bash, Bootstrap, CSS, Flask, Git, Google Cloud, HTML, iOS SDK, JavaScript, Microsoft Azure, Node.js, MySQL, Python, SQL, Swift

**Intermediate:** Amplify, C, C#, C++, Django, Firebase, IBM Cloud, Java, jQuery, NumPy, Objective-C, Pandas, PostgreSQL, React/Native, Ruby, SQLite, TypeScript

**Basic:** Adobe CC, Android Studio, Docker, Go, GraphQL, Jenkins, Kotlin, Kubernetes, MongoDB, .NET, OCaml, PHP, Rust, SASS, TensorFlow, Unity, VB.NET, WordPress

## ACTIVITIES

Developer Student Club, Lead, Founder

August 2019 – July 2020

Bitcamp Hackathon, Organizer, Tech Team Member

November 2018 – May 2020

Terrapin Hackers, Team Organizer, Student Member

August 2016 – May 2020

Delta Upsilon Fraternity, VP of Membership Education, Executive Board Member, Founding Father

November 2017 – May 2020