

Matthew Muccio

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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

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

May 2018 – Present

- Manages the development life cycle for all company software products by coordinating the planning, building, testing, and deployment processes for our web and mobile applications, cloud architecture, and API infrastructure; oversees technical onboarding and support for 5+ business clients.
- Leads engineering team by ensuring proper implementation of agile software development, code review and QA, and deployment to production.
- 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, Public Speaking.

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, Public Speaking.

Python Full-Stack Development Student – Byte Academy, New York City, NY

May 2018 – July 2018

- Utilized and learned practical full-stack development technologies, by participating in an immersive eight-week full-stack software engineering program.
- Leveraged skills: Full-Stack Web Development, Cloud Computing, Git, HTML, CSS, JavaScript, Node.js, Express.js, Python, Flask, Django, PostgreSQL, SQLite.

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

November 2019 – Present

- Built a scalable web API currently in production, 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 distributed system infrastructure 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 – muccio.io/flashtryp

March 2019 – Present

- 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 still being maintained.
- 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

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 – github.com/matthewmuccio/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

Association for Computing Machinery, Student Member

July 2017 – May 2020