Matthew Viafora

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EDUCATION

**Stevens Institute of Technology,** Hoboken, NJ Graduation: December 2022

B.S., Computer Science GPA: 3.76

Dean’s List | Edwin A. Stevens Scholarship

TECHNICAL SKILLS AND CERTIFICATIONS

* Python, SQL, Node.js, HTML/CSS, C/C++, Java
* Pandas, Tableau, Microsoft Excel, Scikit-learn, TensorFlow, Beautiful Soup, Keras
* AWS Certified Cloud Practitioner

WORK EXPERIENCE

**J.P. Morgan Chase & Co,** New York, NY *June 2022 – Present*

*AI & Data Science Summer Analyst | Wholesale Payments & Data Analytics*

* Developing methodology to target tens of thousands of potential customers for Chase Offers pilot programs utilizing Apache Spark to query from datasets containing millions of transactions.
* Visualize data to better communicate trends and ideas to the team using advanced SQL queries, Python and Tableau.
* Presented methodology and targeting model to senior leaders of the team before the model is fully deployed in future Chase Offers pilots.
* Contributing to J.P. Morgan Chase’s social good programs by teaming up with three other analysts to develop a model to better understand the macroeconomic, financial, and local variables that are causing the housing affordability crisis.

**Stevens Institute of Technology**, Hoboken, NJ *August 2021 –December 2021*

*Algorithms Course Assistant*

* Held office hour sessions for students to come and ask questions about course material and assignments.
* Oversaw recitation sections for students to take quizzes and review material that is being taught in lecture.

**Health and AI Labs (HAIL)**,Hoboken, NJ May *2021 – August 2021*

*Undergraduate Researcher*

* Designed multiple data collecting scripts using Python, Pandas, and Beautiful Soup to extract data from high profile AI conferences including NeurIPS, AAAI, etc and uncover differences between theory and application research papers.

**Naval Air Systems Command (NAVAIR)**, Lakehurst, NJ *May 2020 – August 2020*

*Internship | Data Analytics Branch*

* Collaborated with team members to design and develop an application that will extract, transform, and load engineering data automatically and dynamically.
* Utilized SQL server and SQL Server Integration Services (SSIS) along with Microsoft’s Azure cloud service to develop our code cooperatively and deployable to the team’s data infrastructure.
* Briefed supervisors on the project at a high level to demonstrate our innovations to the team’s current data practices.

PROJECT EXPERIENCE

**ViaforaChachkoAI.com** *June 2021 – December 2021*

*Co-Founder*

* Developing an artificial intelligence and machine learning blog with the purpose of bridging the divide between the complicated theoretical research component of AI/ML with a beginner friendly approach to the exciting field. Please check out our site at: http://www.viaforachachkoai.com

**Data For Good Hackathon** *October 2021*

*Hackathon*

* Led and collaborated with other students to analyze and present data-based recommendations on how to improve NYC school metrics.
* Created a linear model from our statistically significant features and chosen school success/improvement measures to show a statistical correlation, then presented our data-based findings to nonprofit organizations in the NYC area.

ACTIVITES AND INTERESTS

* Stevens Computer Science Club, Stevens THON
* Artificial intelligence and machine learning, Professional and recreational golf, Piano, Fitness