Maria Teresa Tomé

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EDUCATION

Columbia University | B.A. in Computer Science and Visual Arts   May 2022
- Relevant Coursework: Data Structures, Artificial Intelligence, Machine Learning, Databases, User Interface Design

American High School of Tegucigalpa | US High School Diploma, IB Diploma   May 2018

SKILLS

- **Programming:** Java, Node, Angular, Typescript, Javascript, Python, C/C++, R, MatLab, SQL, HTML/CSS, Git, Linux
- **General:** Fluent Spanish, Basic German, Adobe Illustrator, Adobe Photoshop, Social Media, LaTex, Microsoft Office

RELEVANT EXPERIENCE

Rotational Analyst, Software Engineer, BlackRock   August 2022 - Present
New York, NY
- Joined BlackRock's new grad program that rotates through teams in BlackRock's Aladdin Engineering as a full stack engineer, currently rotating in the Securities Lending team.
- Contributed to the advancement of Aladdin into the cloud, by creating documentation and policies for cloud-native use through Open Policy Agent, Docker, Kubernetes, and Azure Pipelines.
- Set up continuous deployment, quality assurance(CI/CD pipelines) and worked on backend for the order fulfillment team of the ETF Servicing Platform; as well as, created telemetry dashboards for servers using Grafana, and Splunk.
- Scrum lead and contributor to full-stack API design and front-end development of Portfolio Management 2.0 application upgrade for Aladdin within the IndexPro Development team using Angular, Typescript, NPM, Jest as well as using GitHub CoPilot AI within IDE for efficiency, quality, innovation, and productivity.

Full Stack Engineer, Mi Tribu   May 2021 - May-2022
Columbia Build Lab | New York, NY | Santiago, Chile
- Lead development and implementation of back-end REST framework API for the mobile app including user authentication login and registration and personalized user content.
- Lead development and implementation of front-end interface for product development in Spanish using React.js.
- Contributed to full product development of weekly automatized newsletter for pregnant women in Latin America implemented with Django, Heroku, and Sendgrid.

Peer Leader, Emerging Scholars Program   January 2020 - May 2022
Computer Science at Columbia University | New York, NY
- Mentored and taught underclassmen the theory, scope, and applications of computer science; responsibilities include weekly emails and meeting regularly with the ESP team to debrief, evaluate, and improve materials.
- Developed from scratch a new website for the program and new resources for students and educators in the program.

Backend Engineer, NabNew   June 2021 - September 2021
Columbia Startup Lab | New York, NY
- Optimized and maintained product web scrapers in C# and created scripts for users using Mailchimp API, MySQL, UI.

Data Science Research, Rax Research Lab   April 2021 - August 2021
Universidad Adolfo Ibáñez | Santiago, Chile
- Researched, processed, and created tools to analyze and understand data dating to 2012 of the ALMA telescope as well as implemented unsupervised machine learning models for fault detection of the antennas of the telescope.

Undergraduate Teaching Assistant   August 2020 - December 2020
Computer Science at Columbia University | New York, NY
- Assist Professor Cannon with classroom instruction, exam proctoring, and record-keeping in an introductory course for CS.

ADDITIONAL EXPERIENCE

E-Board, Ferris Reel Film Society   September 2018 - May 2022
Columbia University | New York, NY

Building Manager, Dodge Physical Fitness Center (DFC)   September 2019 - June 2022
Columbia University Athletics | New York, NY

Chapter President, Theta Delta Chapter of Sigma Lambda Gamma National Sorority Inc.   December 2020 - May 2022
Columbia University | New York, NY