**Jonathan R. Matos**

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**Summary:** Leveraged technology and engineering professional with recent experience in artificial intelligence, financial engineering, and blockchain. Recently finished the Columbia University Engineering Fintech Bootcamp while leading a ten-person team for Excellis Health Solutions centered around blockchain.

Trusted within various industries for expertise, honesty, loyalty, commitment, and for delivering on tough challenges. Experience noticing market trends and driving my firm to get out in front to maximize our profits.

**Education: New Jersey Institute of Technology (NJIT), Newark, NJ**

B.S. Electrical and Computer Engineering Technology, GPA 3.01

**Columbia University, New York, NY**

Financial Engineering Bootcamp, 2019-2020

**Skills:** APIs, AWS, Blockchain, C, C++, CanOpen, Ethereum, Deep Learning, IoT, JIRA, Linux, MacOS, Modbus, MultiSim, MS Excel, Power Electronics, Pandas, Python, Scikit-learn, Selenium, Solidity, Smart Contracts, SQL, TCP/IP, TensorFlow, Web 3.0, Windows, WireShark, ZigBee

**Certifications:** CFA Level 1 (Pending), Certified ScrumMaster (CSM), Certified Blockchain Expert V2, Coursera Investment and Portfolio Management Specialization, Udacity Artificial Intelligence for Algorithmic Trading

**Projects:** Bitcoin Data Analyst Tool -Used financial libraries and data science to analyze bitcoin prices

NovaNet - Built an IoT lighting energy control system

Nvidia Stock Trading Algorithm - Used AI and NLP to build a trading Algorithm

**Work Experience:**

**Excellis Health Solutions, New Hope, PA - Consultant**  *2019 - Present*

* Design and implement traceability solutions for pharmaceutical and regulated industry manufacturing customers. Develop and execute computer system and machine validation of product traceability for DSCSA compliance.
* Interface with clients acting as primary on-site support for solution installation and validation.
* Work with the Center for Supply Chain Studies and the DSCSA to find ways to implement blockchain technology.

**Schneider Electric, Florham Park, NJ - Associate Design Engineer** *2016 –2018*

* Designed and implemented test tools and protocols; managed testing processes for ASCO electronics. Provided verification of new product functionality as part of the ASCO Power Technologies R&D test team.
* Worked with product management and design engineers to develop test plans to ensure compliance with internal standards, requirements, and testing protocols. Designed testing peripherals and wrote procedures and reports.
* Worked with CanOpen, Modbus, TCP/IP, Proprietary ASCO communications protocol, webpage scraping, power.
* Designed and implemented hardware and software test equipment to run regression tests on various products.

**Noveda Technologies Inc., Bridgewater, NJ - Technology Engineer**  *2012 –2016*

* Led SaaS and IoT systems development to design and engineer new energy control products.
* Managed 5 projects to install and commission monitoring systems to customers within budget and schedule.
* Performed energy/lighting audits, developed project models, and attended request for proposal customer meetings.
* Developed embedded systems for energy monitoring and controls using ZigBee communication protocol (IEEE 802.15.4), micro-controllers, revenue grade metering (ANSI C12), pulse counters, A/D convertors, and SPI bus.
* Managed meetings and design team review as well as projects managed by tasks.
* Worked closely with CEO, Govi Rao, to brainstorm and learn customer acquisition methods, price point for different products, handling of customers, ethics, and technology vision.

**Petra Systems, Inc., South Plainfield, NJ - Engineering Intern**  *2010 – 2012*

* Monitor solar systems performance and communication networks, troubleshoot issues associated with each, and work with a team to resolve technical issues. Assisted engineering team in developing patented solar inverters.
* Installed and configured software/firmware in communication modules using ZigBee and cellular protocols.
* Traveled to Jordan to give a presentation on smart systems to the Princess Sumaya University for Technology.
* Attended the USA-Jordan Business Summit hosted by His Majesty King Abdullah II of Jordan.

**Additional Information:**

* Dual Citizenship - Spain and USA, Institute of Electrical and Electronics Engineers (IEEE), PADI Advance SCUBA Diver, Certified Skydiver, TGW Promise Foundation, Morris County Homeless Shelter.
* Traveled to over 35 countries in South America, Europe, Middle East, and Asia. Argentina – Lived in the province of Buenos Aires; Spain and Puerto Rico – visiting family.