Austin R. Marchese

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References: Available Upon Request

Experience

Banter Audio | New York, NY

Co-Founder   April 2020 – Present

- Co-found a technical company that leverages modern data processing and web development practices to provide an enhanced podcast experience for users.
- Design and deploy a python API that utilizes web scraping and natural language processing to enrich raw data
- Develop an automated pipeline on AWS that integrates Github and Slack web hooks
- Work collaboratively with two Senior Engineers from Disney Streaming and HBO to rapidly build an application that is scalable and easily altered
- Drive the entire feature creation process, from the inception of an idea and creation of a UI mockup on Figma, to the delivery of production ready code
- Build a Responsive web application with Vue and a mobile app in React Native that provides an optimal user experience for users

JPMorgan Chase & Co. | Jersey City, NJ

Software Engineer   July 2017 – Present

- Act as tech lead for a global team of 4 engineers to deliver a web application that detects and mitigates threats within the bank
- Build a single page application with Angular 6 hosted on an internal cloud platform that allows users to visualize complex data sets effectively and efficiently.
- Develop threat detection algorithms leveraging big data capabilities to identify anomalous activities both historically and in near real time
- Leverage decision tree's and linear recursion to improve detection algorithms
- Secure application through JWT tokens, adhering to Oauth2 protocol
- Ingest external data sources, partitioning data for performance optimization using Spark
- Work directly with business users to ensure application identification process adheres to compliance regulations
- Design and deploy RESTful APIs that allows for dynamic data querying by clients to an internal cloud hosting service
- Develop API Proxies on Google's Apigee Edge platform to enable load balancing, Splunk logging and client authentication
- Setup, coordinate and carry out knowledge transfer sessions to on-board clients and communicate the functionalities and limitations of existing APIs

Stevens Institute of Technology | Hoboken, NJ

Senior Analyst, Student Managed Investment Fund   August 2016 – June 2017

- Evaluated companies in the financial and technology sector using financial statement analysis, discounted cash flows, and relative valuation techniques
- Developed Investment thesis, selected securities and managed current investments using risk analysis
- Pitched investment thesis to Steven's board members and Investment Fund members
- Aided in the management of a Stevens backed investment fund with an endowment of over $400,000 dollars

Awards/Accomplishments

- Eagle Scout
- Fundamentals of Engineering (FE) Certified: Mechanical
- NCAA Division III College Basketball Player
- Fresenius North America Scholarship Winner
- Licensed Real Estate Agent (New Jersey)
- Presidential Scholarship Recipient
- The Eugene Fezandie Award Recipient

Education

Stevens Institute of Technology
B.E., in Mechanical Engineering
Minor in Economics with high honor
GPA: 4.0   **Grad:** May 2018

Technical Skills

Languages: Python, TypeScript, SPARK, HTML, CSS, JavaScript, Java, SQL, HiveQL

Hardware: Linux based systems, PC based systems, Raspberry Pi

Software: Amazon Web Services, Docker, Netlify, Heroku, Apache Hadoop, Jenkins, IntelliJ, Bitbucket, GitHub, Apigee, Tableau, JIRA, Jupyter Notebook, Cloud Foundry, Figma

Relevant Coursework

Multivariable Calculus, Probability & Statistics, Modeling and Simulation

Highlights

Recognized as top performing engineer YoY be senior leadership

Graduated first in my college class

Crypto

Handled day to day operations for a bitcoin ATM company

Actively monitor and manage a portfolio of low and high risk crypto currency assets, ranging from mega cap, BTC, to micro cap alt coins

Leverage modern technologies like Uniswap, Metamask and Delta to quickly enter and exit positions

Listen to daily crypto podcasts to be up to date with the market and evaluate new investment opportunities (Ivan on Tech!)

Activities

Board Member of Non-Profit Boxer Bowtie Club

Real Estate Investing/Sales

Piano/Drum Set

Scholarship/Social Chairman for Theta Xi Fraternity

Former Stevens Student Managed Investment Fund Senior Analyst

DraftKings/FanDuel