

Dominic Martinez-Ta | martineztadominic@gmail.com | (657) 296-5468 | Far Rockaway, NY | [datasadvocate.dev](https://github.com/Dominic-Ta/resume_portfolio/) | https://github.com/Dominic-Ta/resume_portfolio/

Experienced Data Analyst and Fullstack Python developer, capable of bringing significant understanding to new roles through the use of data and visualization. If you have a problem, I have a solution!

Education:

California State University of Fullerton | Duo Masters of Science in Physics & Electrical Engineering | 01/2019
University of California, Riverside | Bachelor of Science in Physics | 05/2016

Relevant Skills:

- Python Django, JS, Reactjs, HTML, SCSS, Apache (backend)
 - AWS Lambda, Amazon DJS, EC2 instances, S3 buckets
 - Excel, VBA (both 32 and 64 bit)
 - SQL, MySQL, pyMySQL, NoSQL
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Work History:

Free Lance Software Developer | 02/2023 – Present | www.datasadvocate.dev

- Developed a highly scalable website using Python Django and integrated multiple databases from Kaggle and other sources
- Utilized data tables (Chartjs) and Google APIs to display the data on the website and implemented mapping features using Google APIs for geographical representation.
- Optimized SEO for backend data wrangling, resulting in improvements of upwards to 300%.
- Recreated AWS Services such as AWS Lambda and SES through backend technology, saving upwards of over 10000% of current budget.

Program Developer | 08/2022 – 02/2023 | *Amazon ONT8* – Moreno Valley, CA

- Maintained network wide website (watchtower) built off of Ruby on Rails framework to maintain/track inventory and tools for over 800+ amazon warehouses across North America. Saving Amazon upwards of 15+ million USD.
- Maintain network wide IxD reports for hourly cartons/freight/headcount that Operations uses to create influential decisions for plans and goals throughout the work week.
- Launched across the Amazon network, for access across every warehouse, a global tool page that made available each tool and resource available to learn from and adopt to increase the productivity, workflow and repertoire of those who use it.
- Co-created Page Zero, a dashboard that pulled from every data source within Amazon's internal network to be the source of truths for Amazon's warehouse data.

Data Analyst | 06/2021 - 08/2022 | *Amazon LAX9* – Fontana, CA

- Established a daily tool to summarize safety reports including YS observations, PIT LSI, and weekly safety walks, resulting in increased emphasis on Operation managers who are not meeting weekly standards/quota indirectly reducing injuries by 25% saving amazon up to 9mil USD per 10 months.
- Created Python automation tool to enable 5-minute updates on door status for TDR team and dock clerks, resulting in over a 40-50% decrease in dwell time.
- Responsible for analyzing Safety Near misses and Injury reports to extrapolate correlations that will lead to preventative measures.
- Set up a database for yearly hearing reports and tools to ensure OSHA standards and yearly quota are maintained.
- Responsible for cha2main safety report website that leadership would use to audit warehouses regarding safety. This accounted for over 70% audits accounted for on the West Coast and Central US.
- Worked alongside the PETS team, a business analyst and software developer team, to maintain, improve and optimize every single associate training violation in the Amazon network to increase safety and reduce injuries. This project was done via python and pyalchemly (mysql)

Data Analyst | 03/2021 – 06/2021 | *Amazon ONT8* – Moreno Valley, CA

- Optimized Shift comparison report of weekly and daily headcounts to optimize workflow in and out of warehouse.

- Maintained Pre-Launch alignment checklist to ensure soon to open warehouses were meeting standards prior to launch.
- Introduced Python based VRID programs in python to be used throughout KRIV (Amazon Air) to optimize concentration unloaded items destined for IXDs.
- Created and introduced Python methodology for the dojo team to use authentication tools to enable faster tools to be implemented through python, resulting in a reduction of over 85% -90% run time for queries such as AA hours/shift schedules and daily carton count.
- Maintained the West Coast's IxD info-metric data.
- Maintained West Coast's daily shift schedule planner used to plan the headcount and determine hours devoted per department for each day.

Data Analyst | 01/2017 – 06/2020 | TJ Loans – Hawaiian Gardens, CA

- Optimized maximum profit margins up to 20% by researching current market trends in Jewelry and other trade goods.
- Trained and led employees in RFM analysis and clientele growth through interpersonal relationships.
- Maintained an accurate database of the price and current stock of items in storage, decreasing wait time by 15%.
- Quality auditing by monitoring that the site adhered to laws and regulations applied to pawnbrokers.

Graduate Teaching Assistant | 01/2017 – 01/2019 | California State University of Fullerton – Fullerton, CA

- Researched the thermoproperties of Graphene both doped and non-doped via different parameters. (Thesis)
- Prepared lessons for 200-300 students that closely followed established course outlines in classical and electromagnetic physics with application in mechanical and electrical engineering.

Research Scientist | 01/2015 – 12/2016 | Semiconductor Research Corporation – Riverside, CA

- Managed, staffed and monitored laboratory personnel leading to established training methodologies for new researchers.
- Collaborative research on WS₂, TS₂ and MoS₂ growth parameters through publications, presentations and conferences leading to publications in APS and Nature.
- Compiled and modeled Raman and Photoluminescent Spectroscopy data using Python reducing reserved time by 90% saving 240% to be reallocated.
- Applied machine vision and learning algorithms to increase data acquisition and analysis of spectroscopic data of samples by 450%.