Paul David Lozano
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Work Experience

DIS Tech (May 2024 to Present) - Hardware Engineer

- Assisted in the design of highly complex (20 to 90 layers) boards for experienced engineers
- Designed high density MLO boards for use in other PCB boards
- Mentored four trainee engineers until they were ready to handle a project
- Helped organize the training materials needed for new batches of trainees to help them get acquainted with our workflows
- Created various scripts and files in Python to speed up workflow for design work

Teradyne (November 2023 to May 2024) - Hardware Engineer

- Designed 30 to 70 layer PCB boards with minimal support from more experienced designers
- Assisted with the Soft Skills Training for engineers to help them communicate and present better

NextPay (February 2023 to September 2023) - Junior Data Analyst

- Presented a weekly update on the current state of the company in terms of revenue as well as GTV. Every week, a deep dive on why it happened and what can be done moving forward is presented
- Started the documentation of the data to list down all schemas, queries, and quirks to ensure data quality when creating dashboards and queries

Technical Skills

- MLO and PCB design work in Allegro
- MS Excel (not just basic scripts - I know how to work in Power Query and create dashboards in Excel)
- Python Scripting
- SQL Queries (specialty is PostgreSQL and SQLite syntax)

Education

Mapua University (2023) - Bachelor's of Science in Electrical Engineering

- Best Thesis Runner Up. Thesis is about Power Systems stabilization through an algorithm done in Python. Data analysis was done through Excel. We created a Decision Tree algorithm (which was done in Python's Scikit-Learn) to stabilize voltages through a mechanism called Load Shedding for my Thesis. Excel and Python were used to help in statistical analysis like t-tests as well as graphing the results
- Cum Laude and Gold Medalist Awardee (GWA of 1.58). A Top 1 student in my Batch of Electrical Engineers.