

# Alexander Lacson

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## Summary

- Looking for a role in a Data Analytics or Data Science Department
- Considers himself a strategic and analytical person
- Prefers to make decisions that are informed by data

If data-related roles are not available, he is also interested in any software engineering roles.

## Technical Skills

- **Programming and Markup Languages** : Python | SQL | Markdown | HTML/CSS
- **Python Libraries** : Pandas | Matplotlib | Seaborn | Plotly | scikit-learn | Natural Language Toolkit | SciPy | NumPy | Beautiful Soup | Requests | Flask
- **Data-related Skills** : Importing Data from Various Sources | Interacting with REST and GraphQL APIs | Data Cleaning and Wrangling | Exploratory Data Analysis | Interactive and Static Data Visualization | Machine Learning | Dashboard Apps with Plotly Dash <
- **Software Tools and Platforms** : Git and GitHub | Tableau Public | Visual Studio Code | Jupyter | Kaggle | Sphinx | [diagrams.net](#)
- **Google Cloud Products** : App Engine | Google Workspace Admin SDK | Secret Manager | Identity-Aware Proxy

## Work Experience

April 2022 - July 2022 | **Includovate** | System Engineer

- Established connections between low-level and high-level boards on [Monday.com](#)
- Created a Workload dashboard that provides visual information allowing you to determine which team members are under or overloaded.
  - Gets its data from Google Workspace, Google Calendar, and [Monday.com](#) and updates every time the page is refreshed.
  - Built using Plotly Dash,
  - Deployed on Google App Engine
  - Has access control using Google Identity-Aware Proxy
  - Documentation was created using Sphinx.

January 2019 - November 2020 | **Chrysos Aquaculture** | Manager

- Presented financial reports to upper management such as showing the current sources of expenditure, forecasting future expenses, and price comparison from different suppliers
- Procured hardware, equipment, and material from local and online suppliers
- Reviewed and approved weekly budget requests before they were sent to upper management
- Involved in laying off an entire team of people while ensuring transparency with employees about the reasons and that advance notice and severance pay was given
- Introduced the [Trello](#) app as a management tool to the staff under him so that he could manage assigned tasks through the app and give everyone a sense of how each other was doing in terms of work and backlog
- Taught bookkeeping staff how to use [GitHub Desktop](#) so that they could collaborate, backup, and apply version control on their files and documents
- Held Town Hall Meetings to communicate company news to employees and hear out employee concerns

June 2017 - December 2018 | **Maxim Integrated** | Test Product Engineer

- Debugged and maintained semiconductor product test programs/code, which were written in Visual Basic and C++, that were already deployed in production
- Analyzed and presented data for an A/B test comparing two different materials of a Test Platform component to see whether it reduced damage to products induced during testing
- Identified a product that had a consistent history of passing certain tests
  - Used data of present and past performance to show that removing those particular tests from the test process would not result in a negative impact on quality
  - Implemented and committed the reduction of the tests from the test program
- Underwent in-house training on the basic concepts of Six Sigma DMAIC, and other problem-solving methodologies such as 8D and 3x5 Why

## Open-Source Contributions (GitHub Handle: max-torch)

**Time Tracker** | [Pazitos10/time-tracker](#) | Time-tracking application written in Python

- Authored code that allows the app to generate data visualizations from the user's data ( [View pull request on GitHub](#) )

**Battle For Wesnoth** | [wesnoth/wesnoth](#) | Cross-platform, turn-based fantasy strategy game

- Proofreading, improvements, and additions to in-game dialog and text
- Suggested and implemented some feature enhancements to campaign scenarios
- Closed some issues with the in-house developer tools
  - Had to install an Ubuntu OS in a Hyper-V Virtual Machine in order to verify that fixes and features were functional in Linux as well as Windows
- Learned how to work with the in-house programming language known as WML by reading the project documentation, looking at examples in the existing codebase, and communicating with the current Project Development Team on Discord
- Learned how to work with in-house developer tools written in Python

## Selected Project Highlights

- Created a Shopify Private App that fetches data from a Shopify Store using Shopify's Rest Admin API and presents a dashboard containing aggregated data to the user ( [View repository on GitHub](#) )( [View Sample App](#) )
- Authored a [Medium Article](#) called "Make Others Want to Work with Your Code" that was selected for further distribution by Medium's curators
- Explored, and analyzed with machine learning, data from the online dating platform OKCupid as a portfolio project while going through courses on Codecademy ( [View blog article](#) )
  - Machine learning algorithms showed that describing one's body as "curvy" was a strong predictor that a user was female

## Informal Education

- [Codecademy Computer Science Career Path](#) | August 2020 - November 2020
- [Codecademy Data Scientist Career Path](#) | November 2020 - June 2021
- [Kaggle 30 days of Machine Learning](#) | August 2021 - September 2021
- Self-learning from online articles, videos, and projects | September 2021 - April 2022

## Formal Education

- University of St. La Salle | Bachelor's Degree in Electronics Engineering | 2013 - 2016
- Technological University of the Philippines | Electronics Engineering Technology | 2009 - 2012

## Additional Accomplishments

- [Topped the Philippines Electronics Technician \(ECT\) Licensure Exam April 2017](#)
- Finished the ten speeches [Competent Communicator](#) Path of Toastmasters International

*Fun Fact: This resume is itself a coding project. Initially, it was written in Markdown. Next, it was converted to HTML using a VSCode extension. Next, it was stylized and converted into a PDF using a Python script and a CSS stylesheet. Finally, Git version control is used to manage the different versions of my resume I send to different employers. ( [View repository on GitHub](#) )*