

# Alexandre Pawlicki Maule

734-834-6854 | [alexpmaule@gmail.com](mailto:alexpmaule@gmail.com) | Birmingham, AL  
[github.com/AlexMaule](https://github.com/AlexMaule) | [linkedin.com/in/alexandre-pawlicki-maule](https://linkedin.com/in/alexandre-pawlicki-maule)

## EDUCATION

**University of Alabama at Birmingham**, *M.S. Computer Science* June 2026

**Eastern Michigan University**, *B.S. Mathematics and Economics* December 2019

- Honor: Dean's list fall 2017 & winter 2018

## SKILLS

**Technical Skills:** *Python, Java, Javascript, SQL*

**Languages:** Fluent in English, Portuguese, and Polish.

## EXPERIENCE

**Cognizant**, Remote March 2023 - Present

*Senior Process Executive - Data*

- Collaborate with an international team to support and maintain the expanding self-driving car fleet, ensuring consistent operational readiness.
- Coached junior associates about sensor calibration specifications, leading them to improve their accuracy by at least 20%
- Spearheaded and developed an automated solution using Apps Script, accelerating data loading by 300% and saving the team 2 hours daily to focus on high-priority tasks.
- Automated lower-priority data collection using an Apps Script program, reallocating time toward manual, high-impact responsibilities.

**Artech**, Remote February 2021 - January 2023

*Sr. Software Quality Operations Associate*

- Worked alongside a team in validating Lidar sensors for autonomous cars, enabling consistent data acquisition to evaluate self-driving software performance that identifies areas for improvement.
- Handled the sensor calibration for the Rider Only fleet, ensuring 90% availability and operational readiness of the vehicles.
- Managed task assignments for a 10+ member team, ensuring all tasks were completed within SLA through effective communication and collaboration.

## PROJECTS

**Traffic Accidents** June 2023

- Extracted traffic accident data from the Kaggle API and conducted statistical analysis using Flask API and Pandas.
- Implemented source control such as Git and GitHub to efficiently manage contributions and streamline group workflows.
- Designed and deployed a webpage as part of the team using Javascript, integrating interactive data visualizations to present insights effectively.

**Movie Investment** Month 2023

- Developed an investment model to predict potential future successful movies using machine learning models. For the development stack scikit-learn Python modules were used
- Leveraged SQL queries to thoroughly analyze and pre-process <database name> for the supervised ML Model training.

## Cryptocurrency & Stock Market

- Interpreted data on S&P 500, Gold, Oil, and Bitcoin using Python, Matplotlib, and GitHub to identify correlations and uncover investment opportunities.
- Worked with the team to structure responsibilities and divide tasks effectively, enabling organized and faster progress on the project.