

Leví Carbellido

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MACHINE LEARNING ENGINEER | SOFTWARE DEVELOPER

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GOAL

Driven and motivated professional seeking an AI adjacent role while concurrently pursuing a Master's degree in AI.

SKILLS

3 years worth experience:

Java, Python 3, JavaScript, TypeScript, React, MySQL, version control (git)

2 years worth experience:

C#; NoSQL (DynamoDB), Node.js

1 year or less worth experience:

React Native, Svelte, Angular; SciKit Learn, NumPy, Pandas, Plotly, CI/CD

Familiar:

Apache Spark, Hadoop, Tableau, Scala, PHP, PL SQL, MS SQL, Unit Testing

Softskills

- Demonstrates team orientation
- Resolves conflicts
- Takes initiative
- Attends to critical detail
- Demonstrates self-improvement orientation
- Demonstrates systemic thinking
- Thinks strategically
- Languages: bilingual English speaker, native Spanish speaker

ADDITIONAL INFO

- Birth date Oct 25 th, 1996
- Single
- Willing to relocate
- Willing to work on diverse schedules
- Able to work full time
- Student of Masters of Ethics, Political Philosophy and Anthropology

Software Developer with Machine Learning Engineering experience. Experienced in leading and motivating small teams to achieve success in challenging situations. Innovative and scientifically rigorous engineer with a significant data science internship experience to bring to the table.

WORK EXPERIENCE

SOFTWARE DEVELOPER | ORACLE

May 2021 – April 2022 | Guadalajara

- Provided technical support for React-based application development using Typescript and Node.js to troubleshoot issues and improve overall system performance.
- Implemented automated testing using Jenkins to ensure that the application runs smoothly and consistently.
- Employed continuous integration and continuous deployment (CI/CD) techniques to optimize development processes and reduce time-to-market for new features and updates.

FULLSTACK DEVELOPER | CAJANAUTA.COM

Aug 2020 – May 2021 | CDMX

- Developed a web application prototype using React, in which marketplace owners can automate a series of common tasks for ecommerce.
- Developed the application prototype's backend using AWS, integrating the following services: Amplify, Cognito, API Gateway, DynamoDB and Lambda.
- Reduced development time by over 50%, while deploying the application to AWS with minimal manual configuration and setup.

MACHINE LEARNING ENGINEER | MONTERREY INSTITUTE OF TECHNOLOGY AND HIGHER EDUCATION

Aug 2018 – Jun 2020 | Xochitepec, Morelos

- Implemented machine learning models using six machine learning models, e.g. Support Vector Machine.
- Evaluated the performance of the models using the Canadian Institute of Cybersecurity (CIC) DoS dataset. Overall project's approach achieved a detection rate of 95% of DoS attacks.
- Leveraged hyperparameter optimization to select the best model and tuned it further to increase accuracy and reduce false positives.

PROJECTS

A FLEXIBLE SDN-BASED ARCHITECTURE FOR IDENTIFYING AND MITIGATING LOW-RATE DDoS ATTACKS USING MACHINE LEARNING

As a Machine Learning Engineer, I acquired hands-on experience in implementing and evaluating machine learning models, including J48, REP Tree, Random Forest, Multi-Layer Perceptron, and Support Vector Machine. Implemented prototypes using Machine Learning APIs in Java and Python. I am also well-versed in version control software like Git and have a passion for researching and solving complex problems. A detection rate of 95% was achieved using the CIC DoS dataset.

Researchgate Publication: A Flexible SDN-based Architecture for Identifying and Mitigating Low-Rate DDoS Attacks using Machine Learning