

# DIEGO GARCIA

contact@diegog.dev

Software engineer with a bachelor's degree in computer science specializing in research and data-analysis, with experience in full-stack development, continuous integration/deployment, and AI/ML algorithms.

## WORK & VOLUNTEER EXPERIENCE

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**Tradeshift**, Denver, CO (Remote)  
Software Engineer

April 2023 - Current

Main Tech Stack: Node.js, Typescript, Postgres, Kafka, Kubernetes

- Develop and maintain scalable and efficient software solutions, utilizing a variety of programming languages and technologies
- Collaborate closely with cross-functional teams to gather requirements, define rules, and align the solution with business objectives
- Designed a system that analyzes company invoice and payment history to determine funding eligibility
- Implemented a dynamic real-time system to continuously assess eligibility based on a comprehensive set of rules, enabling immediate updates with new information

**Globant**, Denver, CO (Remote)  
Software Engineer

November 2020 - March 2022

Main Tech Stack: Node.js, Typescript, Vue.js, Postgres

- Developed an application that automated the purchasing and generation of labels, significantly reducing manual effort and improving operational efficiency.
- Received positive feedback from users and management for the app's contribution to improved package management and streamlined logistics processes.
- Ensured high quality and user-friendliness through rigorous testing and comprehensive documentation, including testing plans and user manuals.

**Shake-A-Leg Miami**, Miami, FL  
Student Mentor (Volunteer)

August 2011 - September 2019

- Mentored physically and developmentally challenged children, teaching them water safety skills and about the wildlife in Biscayne Bay
- Logged over 1000 hours of community service

## EDUCATION

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**University of Miami, Coral Gables, FL**  
Bachelor of Science, Computer Science  
Minors: Mathematics, Chemistry

### Relevant Courses

Machine Learning, Artificial Intelligence, Computational Neuroscience, Database Systems, System Programming, Algorithms, Data Structures, Computation Theory

## TECHNICAL STRENGTHS

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<b>Programming Languages</b>	JavaScript, TypeScript, Python, C, R, Matlab, HTML, CSS
<b>Software &amp; Tools</b>	SQL, Git, Unix/Linux, Flask, $\LaTeX$ , Photoshop, Vue, Postgres
<b>Cloud-Based Technologies</b>	AWS, GCP, Docker, Kubernetes, Github Actions, CircleCI

## PROJECTS

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### manatee.zone

- An easy-to-access data visualization of state-mandated "manatee zones" in Florida
- Created after noticing a rise in uninformed boaters and lack of signage in Biscayne Bay
- Data simplification and cleansing performed with Python
- Continuous development set up with CircleCI

### diegog.io

- A 'serverless' portfolio website deployed on AWS using s3 buckets and lambda functions
- Vue.js front-end communicates with a Flask (Python) API back-end
- Continuous integration/deployment setup with bitbucket pipelines