Agustin Arias

⌨ personal website | ✉ agustinntarias@gmail.com | in linkedin/agustinntarias | ⊙ github/agustin-arias

📍 Buenos Aires, Argentina

Experience

Machine Learning Engineer | *Python, torch, tensorflow, YOLOv8, DeepLSD*　　(1yr) Jul. 2023 – Present
iBallistix　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Buenos Aires, Argentina*

- Proficiently trained deep learning models in the field of computer vision, specializing in tasks such as instance segmentation, classification, and pattern recognition.
- Demonstrated expertise in utilizing a diverse range of libraries including Yolov8, MaskRCNN, and DeepLSD.
- Executed data visualization and annotation processes through the utilization of a premium Labeling tool, such as Labelbox.
- Used common data augmentation tactics in computer vision such as rotation and shearing to increase the training data.

Fullstack Contractor | *Typescript, React, NodeJS, Express*　　(1yr 8 mo) Dec. 2021 – Jul. 2023
Vairix - Nearshore Software Development Boutique　　　　　　　　　　　　*Montevideo, Uruguay*

- I have been involved in several projects for big US clients like Seekr and Cisco.
- My perfomance was 150% larger than my coworkers who I have helped with methods to increase productivity.
- Built a React library, leveraging TypeScript, to provide reusable and modular components for streamlined development and consistency across projects.
- Employed Cypress, an end-to-end testing framework, to ensure robust and reliable software quality, automating testing processes and enhancing code coverage.
- Utilized Storybook, a UI component development environment, to showcase and document React components, enabling efficient collaboration and streamlined design implementation.

Freelance Fullstack Contractor | *Typescript, React, NodeJS, Express, MongoDB, SQL* (1yr 6 mo) Jul. 2020 – Dec. 2021
NextGo - Products and Services on Demand　　　　　　　　　　　　　　　*Miami Beach, Florida*

- Played a crucial role in a major project providing automation and services to a hospital, following a hexagonal architecture design pattern
- Addressed critical issues promptly, increasing team productivity by 50%.
- Gained extensive experience in Kafka for event-driven architecture and the hexagonal architecture pattern, strengthening skills in TypeScript, React, Node.js, Express, MongoDB, and SQL.

Fullstack Web Developer | *React, NodeJS, Express, SQL*　　(1yr 8 mo) Jan. 2018 – Jul. 2020
Zination - Shopify based apps with over 10K customers combined　　　　　　　　*Ontario, Canada*

- Provided efficient solutions to clients, including a custom Shutterstock API developed in Django to integrate paid images into the Catalog Maker, resulting in positive reviews.
- Conducted code refactoring in Python and JavaScript, significantly improving code readability and performance. As a result, main pages experienced a 30% faster load time.
- Utilized GraphQL in building API endpoints, enabling efficient and precise data retrieval and manipulation.

Education

Fullstack web development with React and NodeJS　　　　　　　　Buenos Aires, Argentina
Digital House　　　　　　　　　　　　　　　　　　　　　　　　　　　Mar. 2017 – Aug. 2017

Master's in Mathematics　　　　　　　　　　　　　　　　　　　Buenos Aires, Argentina
University of Buenos Aires (UBA)　　　　　　　　　　　　　　　　　　Aug. 2019 – Dec. 2023

Technical Skills

Languages: Python, C++, Bash, Javascript, NodeJS, Typescript.
Databases: MongoDB, MySQL, SQL (PostgreSQL), DyamoDB.
Frameworks & Libraries: YOLOv8, Detectron2, React, Express, Sequelize, Node.js's basic libraries.
Additional Skills: Docker, ElasticSearch, AWS (Amazon Web Services), Kafka, HTML5/CSS3, Shell scripting.
Side skills: OOP, MVC architecture, Microservices, Data structures and Algorithms, Agile Methodologies (SCRUM).