

JONATHAN PRIETO

Software Engineer

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EXPERIENCES

Gamry Instruments Inc 📅 2022

Re-platformed software and added functionality to backend
Software Engineer

- Performed system analysis, testing and debugging
- Designed emulation software for device testing
- Created middleware software to replace hardware functionality reducing device costs
- Added functionality to back-end software to improve user experience
- Re-platformed older software for high value product in development

Delphinus Engineering 📅 2019 - 2020

Developed robust software for data analytic team
Lead Data Scientist

- Integrated multiple data processing pipelines for sensor analysis/visualization
- Developed data aggregation software, with built in custom ML tools for analysis
- Performed unit testing/validation testing
- Designed character and statistical recognition algorithms for sensor identification
- Created Proprietary software for data preprocessing, organization, and aggregation, savings hundreds of hours of work for the organization

Jr. Data Scientist

- Identified features of interest from noisy historical data using machine learning techniques

PROJECTS

Django3 Rest API Todowoo

Todowoo is a task keeping web application built with django3 framework, REST API, CSS, and bootstrap.

Django3 Password Generator

Password Generator is a web application built with django3 framework, CSS, and bootstrap

Multi Docker

Continuous Integration Workflow for Multi-Container Deployments to AWS

Sensor Data ETL Pipeline

Complex ETL pipeline with analytical and visualization tools

EDUCATION

B.Sc. Mechanical Engineering

B.Sc. Physics

Rutgers University

📅 Jan 2013 - May 2018

SKILLS

Programming Languages

Python C/C++ Java JavaScript
HTML MATLAB

Software Frameworks

Django3 REST API Node.js
Express React MongoDB
Docker Kubernetes PostgreSQL

CERTIFICATIONS

Accelerated Computer Science
Fundamentals

Coursera

Docker and Kubernetes

Udemy

Back-end Development and API

FreeCodeCamp

Django 3 Full Stack Website

Udemy

Django REST Framework

Udemy