Junior Francisco Garcia

Machine Learning - Software Engineering - UX/UI - Product Management
Portfolio | Github | Linkedin | Email

EDUCATION

NEW YORK UNIVERSITY ABU DHABI (NYUAD)
B.S. in Computer Science
Official GPA: 3.604/4.0
3rd-4th year GPA: 3.89/4.0
Minor in Interactive Media
Minor GPA: 3.8/4.0
Expected May 2021 | Abu Dhabi, U.A.E.
Leadership Roles:
- Residential Assistant
- Global Career Consultant
- Interactive Media Lab Assistant

COURSEWORK

Machine Learning
Database Systems (Audited)
Operating Systems
Computer Graphics
Computer Networks
Large Scale Web Applications
Software Engineering
Projects in Data Science
Computer Systems Organization
Network Everything (IOT Devices)
Alternate Realities (VR in Unity)
Communications Lab
Introduction to Interactive Technology
Artificial Intelligence Art

SKILLS

PROGRAMMING
Over 5000 lines:
•Python • C++ • Javascript
Familiar:
• CSS • HTML • PHP • MySQL
• Bash Scripting • C • Java
• Typescript

LIBRARIES AND TOOLS
•Pytest • Processing
•Node.js • p5.js • React.js
• Babylon.js • Three.js
• Amazon Web Services • Django
• Flask • Pytorch • Matplotlib
• Jupyter Notebook • WebGL
• Adobe Creative Suite
•Microsoft 365 • LaTeX

LANGUAGES
• English (Native Proficiency)
• Spanish (Native Proficiency)

EXPERIENCE

SECURRENCY |Software Quality Assurance Engineer
December 2020 - Present| Abu Dhabi, U.A.E.; New York City, U.S.A
- Securrency is a FinTech platform that monetizes excess capacity in assets by leveraging disruptions in finance (Blockchain, smart contracts, distributed ledgers).
- Working with the Automated Quality Assurance Team in an Agile/Scrum environment to create automated tests using Pytest, Python, and SQLAlchemy.
- Reviewed pull requests from senior engineers as a code reviewer.
- Reviewed and proposed over 10+ new product requirements and api endpoint improvements to senior engineers after automation of testing process.

LAB FOR COMPUTER-HUMAN INTELLIGENCE AT NYUAD
Machine Learning (ML) and Software Engineering Researcher
May 2020-Present| Abu Dhabi, U.A.E.

- Researching how humans recognize shapes in images using Machine Learning.
- Built a full-stack data collection tool deployed in Amazon Mechanical Turk as a user study using Flask, Apache, Javascript, and MySQl.
- Analyzing results from user study using machine Learning algorithms in Pytorch.

SMALLWORLD |Chief Information Officer
August 2020 - Present| Abu Dhabi, U.A.E.

- Founding team member of SmallWorld, an online platform that connects high school students with mentors and NGOs to solve humanitarian problems.
- Won 3rd Place (out of 100 participating teams) at the ADEK-StartAd Youth Tech Competition and received a 5000 AED cash prize and startup mentorship.
- In charge of the web application's back-end functionalities (MERN stack).

DHAKIRA CENTER OF HERITAGE STUDIES |Web Developer
April - December 2020 | Abu Dhabi, U.A.E.

- Developing 3D visualization tools for the study of heritage sites using Javascript and the MERN stack.
- Liaise with archaeologists and researchers on a weekly basis to translate their needs and requirements into pragmatically designed features.

SUPERBRIGHT |Creative Technology Intern
September – December 2019| Brooklyn NY, U.S.A.

- Developed the prototype for an internal 3D/VR exhibition visualization tool for architects and engineers on site using Unity and C# scripting.
- Assisted in debugging a 5000-lines Node.js server for 100+ Raspberry Pis.

EMAAR HOSPITALITY GROUP LLC | Project Management Intern
July-August 2019| Dubai, U.A.E.

- Developed a 'proof-of-concept' web application for Critical Path management which was presented to the company's Chief Operating Officer.
- Created 360-degree tours of hotel rooms using Google Tour Creator.
- Liaised with third-party consultants to assist in the implementation of a new luxury spa concept valued at 100,000+ dollars.