

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: 3.481/4.0

MINOR IN INTERACTIVE MEDIA

Minor GPA: 3.78/4.0

Expected May 2021 | Abu Dhabi, U.A.E.

LEADERSHIP ROLES:

- Residential Assistant
- Global Career Consultant
- Interactive Media Lab Assistant

COURSEWORK

Large Scale Web Applications
Computer Graphics
Machine Learning
Projects in Programming and Data Science
Software Engineering
Computer Networks
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

- Unity • Arduino • 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 • L^AT_EX
- UML • Tableau

LANGUAGES

- English (Native Proficiency)
- Spanish (Native Proficiency)
- French (Elementary Proficiency)

EXPERIENCE

SMALLWORLD | CHIEF BACKEND ENGINEER

August 2020 - Present | Abu Dhabi, U.A.E.

- Founding Team Member and Backend Engineer of SmallWorld, an online platform that connects high school students with mentors to solve humanitarian problems.
- Achieved 3rd Place (out of 100 participating teams) at the ADEK-StartAd Youth Tech Competition and received a 5000 AED cash prize and long-term mentorship from the organizing bodies as a result.
- Co-developed the platform's Minimum Viable Product from scratch using MongoDB, Express.js, React.js, Node.js, primarily in charge of server-side programming tasks, front-end data management using Redux, and deployment using Heroku.

SAFARPASS | SOFTWARE ENGINEERING INTERN

July 2020 - Present | Abu Dhabi, U.A.E.

- Worked directly with the CEO to create a SaaS platform for companies to manage Compliance and Payments for independent contractors globally.
- Performed an extensive quality assurance assessment of the web application and detected 15+ bugs in production.
- Developing production-ready features for the app using React.js.
- Designed and implemented front-end design templates for the app using HTML, CSS and Webflow.

LAB FOR COMPUTER-HUMAN INTELLIGENCE AT NYUAD

MACHINE LEARNING AND SOFTWARE ENGINEERING RESEARCHER

May 2020-Present | Abu Dhabi, U.A.E.

- Researching how humans recognize shapes and objects in images using Machine Learning.
- Built a full-stack data collection tool deployed in Amazon Mechanical Turk using Flask, Apache, Javascript, and MySQL.
- Expecting to analyze results from deployed study using several Machine Learning Models with Pytorch.

DHAKIRA CENTER OF HERITAGE STUDIES | WEB DEVELOPER

April 2020-Present | Abu Dhabi, U.A.E.

- Developing 3D visualization tools for the study of heritage sites using Babylon.js (see the Bronze Age Boat and Delma Island projects).
- Liaise with archaeologists and researchers on a weekly basis to translate their needs and requirements into pragmatically designed features.

EMAAR HOSPITALITY GROUP LLC | PROJECT MANAGEMENT INTERN

July-August 2019 | Dubai, U.A.E.

- Developed a 'proof-of-concept' web-based application for Critical Path management using 5 Microsoft APIs which was presented to the company's Chief Operating Officer.
- Created 360-degree/Virtual Reality tours of hotel rooms for display to future clients and Hotel Managers using Google Streetview and Google Tour Creator.
- Liaised with third-party consultants to assist in the implementation of a new luxury spa concept valued at 100,000+ dollars.