JULIO CESAR ORTEGA

Job Title: Freelancer|Backend Developer|Chemical Enginner

PROFILE

I am a Chemical Engineer with a passion for coding and learning. After working on Biotechnology field, the past 4 years, I realized I wanted to find an outlet to use technology to positively increase efficiency in our daily lives. I have always had a love of studying new languages, and I quickly found that programming was the perfect path towards challenging my learning and productive output.

CONTACT

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EDUCATION

Technological University of Havana
BSc. Chemical Engineering
2011– 2016

IPVCE Vladimir Ilich Lenin
High School, Exact Sciences
2007 – 2010

CERTIFICATES

Complete Python Mastery
Code with Mosh
June 2020-August 2020

Responsive Web Design
freeCodeCamp
June 2020-August 2020

Talented Young Scientist Program
Tsinghua University, MOST
November 2018- November 2019

Seminar on Addressing Climate Change and Renewable Energy Technology and Development Strategy
Tsinghua University
November 2018-Dicember 2018

CAREER

2020 - Present — **Software Developer Intern   JPMorgan-Chase**
To see how data is transformed into usable information. Fix the broken typescript files in repository to make the web application output correctly. A better understanding of programing language like Python, JavaScript and frontend libraries like React. Get familiar with JPMorgan Chase frameworks and apply the technical skills to a hypothetical request from the firm's trading floor to analyze and visualize data in a new way.

Researcher   Institute of Applied Chemistry, Tsinghua University

2018 - 2019 — Identification of the cyclic lipopeptides produced by Bacillus sp. and measures their antifungal activity against different phytopathogenic fungi. Identification techniques (SDS-PAGE, RP-HPLC, ESI-MS).

Researcher   Cuban Research Institute of Sugarcane By-products (ICIDCA)

2016 - 2019 — Design, simulation and scale up of agro-biotechnological plants. Evaluation of the technological process of Nitrofix using the computer tool Superpro Designer.

Design and evaluation of Pichia pastoris yeast scale up process to obtain the thermostable invertase enzyme at Cuba 10 pilot plant. Chemical characterization of the Nemacid dry product obtained from the effluents of the entomopathogenic fungus Lecanicillium Lecanii.

LANGUAGE SKILLS

English (Fluent);
Spanish (Native)

TECHNICAL SKILLS

Middle level: HTML5, CSS3, JavaScript, Bootstrap 4, Saas.

Experienced: Python, Flask, PostgreSQL

Tools: Git, Github, VS Code, Windows 10 pro