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juangmn.me

Education

Master's Degree in Artificial Intelligence (Sep 2017 - May 2018)

Degree courses include: Software Engineering for AI Systems, Machine Learning, Evaluation of AI Systems, Foundations of Artificial Intelligence, Data Mining and Visualisation, Knowledge Representation and Reasoning, Software Agents and Multi-Agent Systems and Natural Language Generation.

Investigation project and dissertation: "Negative Selection for Network Security". The goal of this project is to build a network security system modelled after a biological immune system through String-based Negative Selection.

Bachelor of Science in Computer Science (Sep 2013 - Jul 2017)

Degree courses include: Calculus, Algebra, Physics, Digital Logic, Database Design and Management, Probability and Stochastic Processes, OOP, Computer Architecture, Algorithm Design and Optimisation, Software Engineering, Operative Systems, Natural Language Processors, Network Security and System Penetration, Intelligent Computing and Project Management.

Investigation project and dissertation: "The Evolution of Ecosystems through Genetic Algorithms and Neural Networks". The goal of this project was to build an ecosystem simulation platform through genetic algorithms and neural networks. The behaviour of the entities involved depends on a virtualised model of a genome, mimicking biological evolution.

Work Experience

Head of the Development Department

Geomar | Apr 2017 - Present

- Project Management
- Advertising and Marketing
- Full Stack software development in Node.js, Javascript, HTML and CSS
- Server Management

Co-Founder

Hexeon Technologies | Jun 2017 - Dec 2017

- Co-founder of a software development startup
- Worked on a platform redesign and mobile app project

Private Cryptocurrency Investor

Jan 2014 - Present

- Private cryptocurrency investment for clients and myself
- Up to 1000% benefit

DevOps Engineer

Tracktio | Nov 2015 - Sep 2016

- Big Data Back-End development for IoT LORA on Node.js
- 3D modelling for RTLS
- Full Stack software development in Python, Node.js, Javascript, HTML and CSS
- Hardware development and deployment, LORA antennas, tags and Bluetooth Beacons
- Server management
- Database design and management

Software Developer

IberRentails | Sep 2014 - Jul 2015

- Full Stack software development in Python and Java

Other Work Experience

Selling Agent in Real Estate

Viajes K2 | Jul and Aug from 2012 to 2017

- Selling agent, including dealing with customers, showing and selling properties.

Skills

- | | |
|-------------------------------------|------------------------------|
| • Algorithm design and optimisation | • Project Management |
| • Full Stack software developer | • Distributed Systems Design |
| • C/C++, Java, Python, Node.js, R | • Genetic Algorithms |
| • Data Science, R | • Advanced Math and Physics |

Awards & Interests

UK Datalab Award in Artificial Intelligence

Scholarship for Master's Degree in Artificial Intelligence and place in the Datalab program

Hackathons

HackUPC Fall 2016, HackUPC Winter 2017, HackKing's 3.0 Winter 2016, MLH Prime London: European Final Spring 2017, CopenHacks Spring 2017, Hack Cambridge Winter 2018

Languages

English: IELTS Proficiency

Spanish: Native

Catalan: Native

French: Beginner