

# ALLAN PEREZ

## Theoretical Physics Student

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## EXPERIENCE

### Software Team Member

#### GUOrbit

- October 2019 – Present Glasgow, United Kingdom
- Website Development (VueJS SPA, Bootstrap, Heroku, Git).
  - CloudView, a Machine Learning project.
  - Asterus, cubesat mission. Payload Research and payload software.
  - Volunteer at and outreach event for High School students.
  - terra\_Nova Hackathon organized by the UKSEDS. Prize for best Business Pitch.

### Web Developer

#### Freelancer

- November 2019 – January 2020 Remote
- Wordpress development (Theme, Plugins, ACF, and CSS) for e-learning companies.
  - Wordpress site for a freelancers (CSS and ACF).

### Chief Technology Officer

#### Suprive Media

- Jan 2019 – Sep 2019 Barcelona, Spain
- UI and UX design of the sales-oriented websites for our clients.
  - Design and improvement of the workflow and the development cycle.
  - Development, testing, and deployment of websites in tight deadlines.
  - Management of the design tasks related to websites.
  - Metric-driven decision making oriented to revenue growth.

### Software Developer

#### Freelancer

- Mar 2018 – Dec 2018 Barcelona, Spain
- Development of trading systems for retail traders focused on the foreign exchange market.
  - Financial data modelling for insights for retail traders focused on the foreign exchange market.
  - Web development for small businesses and freelancers (Wordpress, JQuery, PHP).

### Junior Quantitative Analyst

#### Nexow Systems

- August 2017 – February 2018 Barcelona, Spain
- Junior Quantitative Analyst in the department of high frequency trading.
  - Worked in foreign exchange and cryptocurrency markets.
  - Specialized in the research and development of machine learning algorithms for trend recognition. Worked with time series processing and big data techniques.
  - Asset allocation optimization with reinforcement learning.

## EDUCATION

- Coursera [2020]**  
Deep Learning Specialization
- University of Glasgow [2019-2023\*]**  
B.Sc. Theoretical Physics
- Penn Foster [2016-2018]**  
High School Diploma
- Platzi [2015-2018]**  
Software Engineering, AI, and Data Science.
- The Internet [2014-Present]**  
EdX, MITOCW, Coursera. Mainly on computer science and AI.

## SKILLS

Web Development Python C++  
Quantative Analysis Machine Learning  
Algorithms

OOP and functional programming

HPC tensorflow and keras

numpy and pandas matplotlib

Wordpress and PHP

HTML, CSS, JavaScript

VueJS and reactive programming Git

LaTeX Automated Trading Systems

## LANGUAGES

Spanish  
Catalan  
English



## INTERESTS

Space Exploration Nuclear Fusion  
Scientific Computing  
Machine Learning  
Quantiative Finance