Stefano Ulloa

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Portfolio

Automatic recognition of human emotion using facial features. 2019

Computer science thesis on visual detection of emotions using Machine Learning, Deep Learning, PyTorch and Data Processing.

"Cashier". 2018

Mobile app for managing expenses with friends. Developed using Javascript, Node.js and Redis.

"FreeSpots". 2018

Business plan group project across 3 months around the idea of an app that informs students of free spots at their libraries. Innovation, start-up mentality.

3D Printing housing project. 2015

Research on the technological feasibility of using 3d printers to build houses for low-income world areas. Use of SketchUp.

Languages

English – Proficiency Level

Spanish – Native Level

Catalan – Native Level

Skills

Machine Learning and Data Science

Deep learning, data mining, probability, statistics, data analysis.

Python, Pytorch, Numpy, Matlibplot, Weka, Matlab.

Full-stack web/app development

REST, API, databases

Javascript, React, Java, Node.js, Express, MySQL, MongoDB, Redis, HTML, CSS, Ajax, Axios

Software engineering

Engineering principles, programming patterns, UML, testing, OOP, procedural prog, common algorithms, data structures

C++, Java, GitHub

Additional experience with

Interactive systems, distributed applications, graphics, computational logic, robotics, cryptography, signal analysis

Education

Computer Science Engineering, Universitat Pompeu Fabra (Barcelona). 2015-2020

My main interest: machine learning, data science and web/app development courses
Strong mathematical formation
High value on soft-skills and innovation/business subjects