

EXPERIENCE

Algorithmic Perfumery

JULY 2019 - PRESENT

Data Scientist & Software Engineer

- Created an automatic data checker to validate the consistency and coherence of the data (*Python*)
- Developed a system to transform fragrance formulas to scent parameters and vice versa with machine learning. Also, added a playground view for expert perfumers to test and check the machine learning models and the validity of the system (*Python, React*)
- Run several analysis on data to generate insights for the company (*Python*)

Flavourspace

APR 2019 - PRESENT

Software Engineer

- Developed a tool to visualise and filter recipes, as well as see them in detail (*Angular*)
- Worked on my Master thesis titled: Taste-based food representations - from explicit vectors to neural embeddings. Developed a content based food recommendation system (*Python*)
- Created a tool to easily visualise a food recipe collection network and compare different dishes (*Polymer*)

Pepermint

JUN 2015 - DEC 2016

Software Engineer

- Maintained and developed different backend APIs (*Java, Spring*)
- Maintained and migrated an old frontend to AngularJS for the company product (*BackboneJS, AngularJS*)
- Developed new frontend for the company product (*AngularJS*)
- Worked with TDD and Scrum methodology in a teamwork environment

Autonomous University Of Barcelona

DEC 2013 - MAR 2014

Mobile Developer

- Developed an educational game (► **Quiztallography**) to learn about point symmetry for the Department of Geology of the Autonomous University of Barcelona (*Android*)
- Created a tool for teacher to add questions to the application

PROJECTS

ControllerX

DEC 2019 - PRESENT

- Developed an open source project for the Home Assistant Community downloaded by 20 people per week. It allows users to bind their controllers to different devices (e.g. lights, speakers) (*Python, pytest*)

Home Automation

SEPT 2019 - JAN 2019

- Developed a customised automated home with a Raspberry Pi and Home Assistant (*Python, YAML*)

Use Of English

JAN 2017 - MAY 2017

- Developed an educational game to succeed in the Use of English part from the Cambridge Advanced English (CAE) exam. Users can practice different aspect of that part of the exam by using digital flashcards (*Android*)

OTHER ACTIVITIES

Hackath20

MAY 2015

Developed an Android app to be concious of the water consumption in a household to reduce the use of the water (*Android*)

FinApps Party Hackathon

OCT 2014

Developed an app for an Android watch to digitalize "Carnet Jove" (*Android*)

EDUCATION

University Of Amsterdam

SEPT 2018 - JULY 2019

Masters

Data Science

University Of Barcelona

SEPT 2011 - JUNE 2015

Bachelors

Computer Science and Software Engineering

DIPLOMAS & CERTIFICATIONS

Australian Pacific College (Brisbane)

JUNE 2018

Diploma

Diploma of Project Management

Navitas (Brisbane)

APR 2017

Certification

Cambridge Advanced English

University Of Barcelona

SEPT 2016

Diploma

Premi Extraordinari de Graduat

SKILLS

Python, Angular, TypeScript, Android, Java, SQL, Scrum, TDD, Linux, AWS Lambda, AWS S3, Machine Learning

LANGUAGES

Spanish

Native

Catalan

Native

English

Advanced