

PAU OLIVER

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EXPERIENCE

Swires

Software Engineer

September 2018 -

Barcelona

- A health recovery app for surgery patients, with personalized activity suggestions (React Native, Python).
- Developed a parser in ANTLR4 to transpile a custom search query language into Elasticsearch queries.

Universitat Politècnica de Catalunya - inLab FIB

Software Engineer

February - July 2018

Barcelona

- Platform for vehicle fleet management and taxi ordering. Django, Angular 5, Jenkins, Docker.

National University of Singapore - Image & Pervasive Access Lab

Research Intern

April - October 2017

Singapore

- Developed an Android app to collect a labeled dataset of sensor values.
- Designed, tested and deployed a machine learning model to classify human urban mobility from phone sensor readings. sklearn, pandas, Flask, Notation3.

Universitat Politècnica de Catalunya - inLab FIB

Software Engineering Intern

July 2015 - July 2016

Barcelona

- Developed a web platform for easier teacher-student online communication. Laravel (PHP), HTML, JS.

PROJECTS

bio-share React Native app to share sleep tracker data with friends, using Oura Ring's API.

TuneMyLife Automatic Spotify playlists from the sentiment analysis of your recent Instagram photos. Finalist project at OxfordHack.

C- - Interpreter written in Javascript from scratch to run a subset of C++ programs.

EDUCATION

Universitat Politècnica de Catalunya (UPC - FIB)

B.S. in Computer Science

2013 - Nov 2017

Relevant coursework: Algorithms and Data Structures, Databases, Computer Architecture, Operating Systems, Artificial Intelligence, Advanced Algorithms, Theory of Computation, Compilers.

Technical University of Denmark (DTU)

Exchange semester, M.S.-level courses

Fall 2016

Coursework: ML & Data Mining, Cognitive Science, Social Graphs, UX Design, Applied Statistics.

VOLUNTEERING & AWARDS

HackUPC Organizer Contributed to our online application system for the 700-people hackathon.

Best Mobility Hack *Hack4Good* RampIt. Ionic app to promote accessibility around the city.

1st prize *Accenture Digital Health Hackathon* Predict multidrug resistance infections from patient data.

Uni Entrance Exams Honours *Catalan Minister of Economy & Knowledge* Grade 9/10 (top 0.76%).

LANGUAGES & SKILLS

Programming Languages

Comfortable: Python, Typescript, JS. *Familiar:* Java, C++, SQL.

Tools & skills

Git, CD/CI, TDD, Agile Development.

Languages

Catalan, Spanish (Native), English (Proficient), Japanese (Basic).