

Bernat Esquirol Juanola



bernatesquirol@gmail.com | [devpost/bernatesquirol](https://devpost.com/bernatesquirol) | [github/bernatesquirol](https://github.com/bernatesquirol)

Education

Universitat de Barcelona, Barcelona, Spain

2014-2019

- Bachelor in [Mathematics](#)
- Bachelor in [Computer Science](#)

September 2019 - June 2020

- Master in the [Fundamental Principles of Data Science](#)

EPFL, Lausanne, Switzerland

February 2018 - July 2018

- Exchange program at [Computer Science Section](#)
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Work experience

February 2016; February 2017

IT technician, [MWC](#) @ Fira Barcelona

July 2015 - September 2016

Full-stack developer, [Getupcode.com](#)

February 2018 - June 2018

Scratch teacher, [TechSpark Academy](#).

July 2018 - June 2019

GIS data analyst, [PDU, Àrea Metropolitana de Barcelona \(AMB\)](#)

July 2019 - December 2019

Front-end developer, [bestiario](#)

January 2020 - July 2020

Researcher, [Institute of Complex Systems \(UBICS\)](#)

February 2020 - July 2020

Data scientist, [bestiario](#)

Papers

February 2018 - May 2018

[Distributed Asynchronous SGD](#): Implementation of asynchronous stochastic gradient descent to optimize a support vector machine (3-group project) @ EPFL

February 2019 - June 2019

[Data flow control framework for indicator-based policy making: an urban planning example](#): tool based on draw.io to document and control the data flow of an indicator-based policy in the urban planning environment @ AMB

February 2020 - June 2020

Effects of COVID19 in Twitter profile activity and ego-networks @ UBICS

Hackathons

May 2019: Winner @ [Barcelona Copernicus Hackathon](#)

November 2019: Winner @ [Novartis datathon](#)

March 2020: Winner @ [MUV Hackathon Barcelona](#)

April 2020: 7th position @ [Hackovid](#)

April 2020: Participant @ [MUV Datathon](#)

Other projects @ [devpost](#)

ObservableHQ [profile](#)