






# Abel Locati


## Full Stack Developer


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Lisboa, Portugal 

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Dedicated Full Stack Developer, I am currently working in C# and JavaScript. Have a look at my [personal page](#) and at my YouTube Channel about drones: [DroneCamRec](#).

## TECHNICAL SKILLS

C# JavaScript React.js Node.js Git HTML5 CSS Ruby-on-Rails Web Development Linux  
Ad Ops Digital Marketing Technical Support Computational Chemistry Quantum Chemistry

## PERSONAL PROJECT

Development of a gesture recognition application for drones. 

- Principle: Movement is detected by a webcam, and a video stream is then analysed and manipulated to detect its location and its intensity. Depending on the location, a command sent through UDP protocol allows the drone to respond accordingly.
- Technologies used: Node.js for the back-end to communicate with the drone. React.js for the front-end to manipulate the pixel data.
- Repository: <https://github.com/AbelBoot/Drone-Gesture-Recognition>

## WORK EXPERIENCE

### C# developer. Securibox.

05/2021 - Present

Lisboa, Portugal

- Achievements/Tasks*
- Maintaining applications in C# and .NET.
  - Web scraping to build automated solutions for official documents collection.
  - Applying Machine Learning tools for image classification.

### Campaign Delivery Manager / Ad Ops Associate. Teleperformance.

09/2019 - 04/2021

Lisboa, Portugal

- Achievements/Tasks*
- Provided optimization recommendations to various advertisers that successfully improved Ads performance.
  - Set up and troubleshoot CPM, CPC, and CPA campaigns, while consistently reaching KPI targets. Bid strategy, keyword search, monitoring of Ads metrics.
  - Served as a liaison between account managers, client services team, and technical support to optimize campaigns.

### IT Helpdesk Technician. Teleperformance.

10/2015 - 08/2019

Lisboa, Portugal

- Achievements/Tasks*
- Delivered IT Technical support via phone, email, and tickets for a worldwide leader construction machinery company. Expertise in troubleshooting a wide range of software issues for end-users.
  - Consistently delivered flawless Customer Service while hitting and exceeding KPIs.
  - Responsible of Identity and Account Management for VPN and Windows groups. Higher level Lotus Notes and Outlook support, Mainframe and Share Drive access.

## WORK EXPERIENCE

### ○ Researcher in Computational Chemistry.

Universidade de Evora.

01/2013 - 05/2015

Evora, Portugal

#### Achievements/Tasks

- Published 4 research papers in several top peer-reviewed journals (full papers on demand). [↗](#)
- Unraveled key mechanistic details of reactions employing anti-psychotic drugs, and of an olive oil purification process. [↗](#)
- Served as a liaison between experimental and theoretical research groups to build comprehensive molecular mechanisms.
- Successfully trained and mentored experimental chemists to theory to help them reach autonomy in the field.

## EDUCATION

### ○ Bootcamp Web Development.

Le Wagon, coding school.

04/2018 - 07/2018

Lisboa, Portugal

#### Courses

- Intensive course on how to build a web-product from scratch: from database to user interface.
- Development of a functional bidding platform using Ruby-on-Rails in a team of four.

### ○ Ph.D. Computational Chemistry.

ICIQ - Institut Català d'Investigació Química.

09/2006 - 06/2012

Tarragona, Spain

#### Courses

- Published 6 research papers in several top peer-reviewed journals (full papers on demand).
- Trained 10 Master students and university professors on their understanding of Quantum Chemistry.
- Performed calculations in collaboration with experimental research groups and unraveled mechanistic details of catalytic reactions. Transition-Metal catalytic processes of C-H Bond Cleavage and C-C Bond Formation by Pd, Ag, Nb complexes.

## LANGUAGES

French ● ● ● ● ●

Spanish ● ● ● ● ○

English ● ● ● ● ○

Portuguese ● ● ● ○ ○

## PUBLICATIONS (FULL LIST ON DEMAND)

*Ph.D. Thesis, obtained "cum laude"*

**Computational Study of C-H Bond Cleavage and C-C Bond Formation Processes Catalyzed by Transition Metal Complexes.** [↗](#)

*Author(s)*

Abel Locati

2012

A exhaustive study of various C-H activation and cross-coupling processes.

*Peer-Reviewed Scientific Paper*

**Chemo-, regio-, and stereoselective silver-catalyzed aziridination of dienes: Scope, mechanistic studies, and ring-opening reactions.** [↗](#)

*Author(s)*

Josep Llaveria, A. Beltrán, W.M.C. Sameera, Abel Locati, M.M Díaz-Requejo, M.I. Matheu, S. Castellón, F. Maseras, P.J. Pérez

2014

Journal of the American Chemical Society.

*Peer-Reviewed Scientific Paper*

**A catalytic route to dibenzodiazepines involving Buchwald–Hartwig coupling: reaction scope and mechanistic consideration.** [↗](#)

*Author(s)*

D. Peixoto, Abel Locati, C.S. Marques, A. Goth, J.P. Prates Ramalho, and A.J. Burke

2015

RSC Advances.

*Peer-Reviewed Scientific Paper*

**Design and development of molecularly imprinted polymers for the selective extraction of deltamethrin in olive oil: An integrated computational-assisted approach.** [↗](#)

*Author(s)*

N. Martins, E.P. Carreiro, Abel Locati, J.P. Prates Ramalho, M.J. Cabrita, A.J. Burke, R. García

2015

Journal of Chromatography A.