

# AITOR DOMEK

Computer Scientist

## PERSONAL DETAILS

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*Direction* Atotxa Erreka street, 20018  
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*Linkedin*

## EDUCATION

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**Master's in Computational Engineering & Intelligent Systems** 2020-2021  
*Maximum qualification at Master's Thesis titled "Semi-supervised Operations&Maintenance" supervised by the doctor Roberto Santana.*

**Computer Engineering UPV/EHU** 2016-2020  
*Maximum qualification at Bachelor's Thesis titled "Study of intelligent systems through the simulation of an ecosystem" directed by the doctor German Rigau.*

**Scientific Bachelor SUMMA-Aldapeta** 2014-2016

## EXPERIENCE

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**Tecnalia Research & Innovation** March 2021 - June 2021  
*Miramón technology park, Donostia*  
Title: Semi-supervised learning for Operations and Maintenance  
Supervisor: Alberto Diez Olivan  
Details: Creation of semi-supervised intelligent models for the predictive maintenance of machines.

**Tech for Society** February 2020 - May 2020  
*Portuete Street, Donostia*  
Title: System integration project  
Supervisor: Paul Gurmendi  
Details: Cooperation and participation in design, development and testing of the Itcons.app application.

## SKILLS

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|------------------------------|---|
| <i>Languages</i>             | Spanish (Native)<br>English (Advanced)<br>Bask (Medium)<br>German (Basic) |
| <i>Known tools</i>           | Jupyter Notebook, GitHub, SKLearn, PyTorch, Eclipse,<br>R Studio, Matlab  |
| <i>Programming languages</i> | Python, C, C++, C#, Java, PHP, Haskell, R                                 |

## INTERESTS

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|----------------------|---|
| <i>Professionals</i> | MACHINE LEARNING, NEURAL NETWORKS, DEEP LEARNING,<br>SEMI-SUPERVISED LEARNING, CRYPTOGRAPHY,<br>COMPUTER VISION |
| <i>Personals</i>     | PROCEDURAL TERRAIN GENERATION, FRACTALS<br>3D MODELING, SHADERS   |

*GitHub (DripyDev)*

## RECOMMENDATION LETTERS

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**Alberto Diez Olivan**

*Supervisor in Tecnalia Research & Innovation*

*"For me, as his mentor in TECNALIA, it was a real pleasure having a student so hardworking and capable of dealing with very strict deadlines with autonomy and remarkable positive attitude. He was open to novel ideas and flexible to the redesign of business requirements and problem constraints during the project, providing innovative alternatives and very constructive ideas to improve the final project results. I consider he also has strong team-work, programming and algorithmic skills."*

**Roberto Santana**

*Master's Thesis director*

*"During the supervision of Mr. Domec's work I had the opportunity to better know him as a person and researcher. I can say without hesitation that Mr. Domec is a serious, disciplined, industrious, and talented person. He is able to learn and apply new concepts in a fast way and displays independence and creativity at the time of solving problems. He also has a fine capacity for making clever research questions. This has been particularly noticeable at the time of developing his thesis."*

**German Rigau Claramunt**

*Bachelor's Thesis director*

*"Both during my teaching classes but especially in the Final Degree Project, I have been able to assess first-hand his technical quality, initiative and curiosity, as well as his great capacity for learning and developing software solutions. This is why the Final Degree Project received the maximum possible grade."*