

# Fernando Vallecillos Ruiz



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## LANGUAGES

Spanish

*Native*

English

*Proficient (C1)*

Japanese

*Lower Intermediate*

## WORK EXPERIENCE

### AI/Machine Learning Developer Intern

#### Gigstarter

10/2020 - 07/2021

*Amsterdam, The Netherlands*

##### Achievements/Tasks

- Develop and implement a recommender system for artists on the platform based on data science and AI.
- Implemented and launched their web application (JIVE) on React.
- Fixes and improvements on the server (RoR) and DB (PostgreSQL).

### PhD Candidate

#### Simula Research Laboratory

10/2023 - 10/2026

*Oslo, Norway*

##### Achievements/Tasks

- "Agent-Driven Automatic Software Improvement" published at EASE 2024 doctoral symposium.
- "The Art of Repair: Optimizing Iterative Program Repair with Instruction-Tuned Models" published at EASE 2025 research track.
- "A Novel Approach for Automatic Program Repair using Round-Trip Translation with Large Language Models" under review in journal.

## PERSONAL PROJECTS

#### Pint of Science Speaker (10/2025)

- Spoke at Pint of Science 2025 (Oslo) on AI agents and their impact.
- Received coaching on clear, engaging science communication for a general audience.

#### TuneStar (09/2022 - 09/2022)

- 2nd Prize winner at KTH AI Hackathon.
- WebApp to extract emotions through DeepFace and recommend songs according to the emotional state.

#### HADIX (08/2022 - 08/2022)

- Winner at EIT Digital Summer School of Cybersecurity.
- Pitched to real investors and developed a business plan for a digital-twin anomaly detection system for industry 4.0 plants.

#### Green Mini Clouds (03/2022 - 07/2022)

- Winner of popular vote among the 12 teams.
- Developed a business plan for a decentralized emission-less edge-computing provider powered by renewable energy.

#### Bi4 Academy (02/2020 - 03/2020)

- Worked on a real big data project using Python, Apache Parquet, Spark and Machine Learning. (100 hours)

#### 2019 PRMU Challenge (06/2019 - 08/2019)

- Applying two different approaches (algorithmic and CNN) to recognize characters in old Japanese documents.

## EDUCATION

### EIT Digital Master (Autonomous Systems)

#### TU Berlin / KTH Stockholm

10/2021 - 09/2023

##### Details

- GPA (TU Berlin): 9.0 / 10
- GPA (KTH): 9.6 / 10

### Computer Engineering

#### University of Granada, Spain

09/2016 - 07/2021

*Obtained 5 distinctions grades in the first 2 years of university. Among others: OOP, AI, DB...*

##### Details

- GPA: 8.8 / 10