

GONZALO MUNILLA GARRIDO

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EDUCATION

Ph.D. Privacy-Enhancing Technologies, Since Oct 2019
Technical University of Munich (TUM)

M.Sc. Mult. Mechanical Engineering and Management, 2016 - 2019
Technical University of Munich (TUM) and Polytechnic University of Madrid (UPM), **GPA: 2.3/1.0**
Thesis: Integration and Evaluation of an Electric Vehicle Fleet in a Blockchain-Based Flexibility Market Platform

B.Sc. Mechanical Engineering, 2012 - 2016
University of Zaragoza, **GPA: 2.3/1.0** (Top 10% in graduation)
Thesis: Evaluation of Wind Turbine Converter Designs Considering their Thermal Behaviour

Relevant Courses: Algorithms, Probability Theory, Machine Learning, Statistics, Industrial Software Engineering, Power Electronics, Fluid Mechanics, Thermodynamics

Experience abroad: RWTH Aachen, Germany (2015-2016, Erasmus year)

TECHNICAL SKILLS

Proficient Python (2yrs), Solidity (1yrs)
Familiar SQL, JavaScript, Docker, Travis CI, Kubernetes, Serverless, Node.js, AWS, Git

EXPERIENCE

Ph.D. Candidate Since Oct 2019
The BMW Group, *Munich*
TUM, *Munich*

- BMW's lead on the joint project with [Oasis Labs](#) to integrate [Chorus](#) at BMW **SQL** [Post](#)
- First author of "Revealing the Landscape of Privacy-Enhancing Technologies in the Context of Data Markets for the IoT: A Systematic Literature Review" [Pre-print](#)
- Teaching assistant of the Blockchain-Based Systems Engineering lecture of the faculty of computer science at TUM in the Summer semester of 2021 with a record exam registration of over 500 students **Solidity** [Git](#)

M.Sc. Thesis Student Jan - Jul 2019
The BMW Group, *Munich*

- Built an Ethereum Proof-of-Authority test blockchain using **Geth** (I also tested **Parity**) to deploy smart contracts that I programmed in **Solidity** using **Truffle** to create a decentralized energy market for electric vehicles
- Evaluated 1000 electric vehicles using **Python**, **JavaScript**, and **web3** to test the robustness of the proof-of-concept satisfactorily [Publication](#)

TECHNICAL PROJECTS

Blogger at OpenMined I post differential privacy code tutorials **Python**. [OpenMined](#), [Git](#)

Data science portfolio It includes supervised, unsupervised, and deep learning projects **Python** [Git](#)

Cloud development portfolio It contains projects such as developing serverless apps **Serverless**, **Docker** [Git](#)

Blockchain portfolio It includes miscellaneous smart contracts **Solidity** [Git](#)

Mentor and judge in (i) HackaTUM 2019, and in (ii) the online HackaTUM against COVID-19. [\(i\) Site](#), [\(ii\) Site](#)

Professional Scrum Master I, email for verification: gonzalo.munilla-garrido@tum.de [Credential](#)