

GONZALO MUNILLA GARRIDO

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EDUCATION

Doctor of Philosophy, Computer Science: Privacy Engineering, Oct. 2019 - Mar. 2023
Technical University of Munich (TUM), Department of Informatics - [Prof. Florian Matthes](#)

Dissertation topic: [Improving the Applicability of Differential Privacy in Practice](#)

Visiting Student Researcher: Privacy Engineering, Mar. - Sep. 2022

UC Berkeley, Department of Computer Science - [Prof. Dawn Song](#)

Funding: \$10,000 from the [Ethereum Foundation Q2 2022](#) grant program

M.Sc. Mult. Mechanical Engineering & Management, 2016 - 2019

Technical University of Munich (TUM) and Polytechnic University of Madrid (UPM), GPA: 8/10

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: 7.3/10 - Top 10% in graduation

Exchange year: RWTH Aachen Faculty of Mechanical Engineering, Germany

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

SELECTED PUBLICATIONS

- I) Going Incognito in the Metaverse: Achieving Theoretically Optimal Privacy-Usability Tradeoffs in VR [2023](#)
- II) Exploring the Privacy Risks of Adversarial VR Game Design [2023](#)
- III) Towards Verifiable Differentially-Private Polling [2022](#)
- IV) Lessons Learned: Surveying the Practicality of Differential Privacy in the Industry [2022](#)

TECHNICAL SKILLS

Familiarity Python, Docker, SQL, C#, JS, Kubernetes, Serverless, Node.js, AWS, Git

EXPERIENCE

European Commission (EC), Brussels Apr. 2023 - Present

- **Technologist:** Enforced the [Digital Markets Act](#), fostering competition and consumer benefits for 450M Europeans.
 - Led the technical analysis for multiple key ongoing initiatives, including: Sideloads in [iOS](#), instant messaging interoperability for [WhatsApp](#) and [Messenger](#), anonymization of [Google Search data](#) to help smaller search engines improve their algorithms, and vetting data flows, consents, and privacy mechanisms in the social media platforms owned by [Meta](#), [LinkedIn](#), and [ByteDance](#).
 - Provided technical and strategic insights that guided the DMA's compliance decision-making process.
 - Actively contributed during regulatory dialogue, engaging with high-ranking officers from Big Tech companies.

The BMW Group, Munich - 4 yrs 4 mos Jun. 2018 - Mar. 2023

- **Ph.D. Student:** Led the BMW Group's joint proof-of-concept with [Oasis Labs](#) to integrate a private SQL engine in BMW's data lake to enhance privacy without losing more than 15% of accuracy and performance. **SQL** [Post](#)

- **Intern:** (i) Researched technology and advised the [BMW Startup Garage](#) on startup collaborations using a venture client model, and (ii) pursued my master's thesis in the field of blockchain technology. **Python, Solidity, Geth**

TUM, Munich - 3 yrs Oct. 2019 - Present

- **Ph.D. Student:** Taught the Blockchain-Based Systems Engineering problem session of the faculty of Informatics at TUM in the Summer semester of 2021 with a record exam registration of over 300 students. **Solidity** [GitHub](#)

MEDIA COVERAGE & TECHNICAL PROJECTS

Featured in Google's Awakening magazine, article on differential privacy. [Awakening](#)

Featured in Forbes and The Register, articles on privacy. [Forbes I, II](#), [The Register I, II & III](#)

Co-Creator of MetaGuard, the first proposal for a virtual reality incognito mode. **C#** [GitHub](#), [Website](#), [Talk](#)

Contributor of the month at OpenMined, a non-profit developing privacy tools. [Featured](#)

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

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

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