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**

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

Going Incognito in the Metaverse: Achieving Theoretically Optimal Privacy-Usability Tradeoffs in VR	**2023**
Exploring the Privacy Risks of Adversarial VR Game Design	**2023**
Towards Verifiable Differentially-Private Polling	**2022**
Lessons Learned: Surveying the Practicality of Differential Privacy in the Industry	**2022**

TECHNICAL SKILLS

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

EXPERIENCE

European Commission, *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: Sideloading 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-concep 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 5 mos Oct. 2019 - Mar. 2023
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 in VR. **Forbes I**, **II**, **The Register I**, **II** & **III**
Co-Creator of MetaGuard, the first proposal for a virtual reality incognito mode. ***C#*** **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. ***Docker*** **GitHub**
Data science portfolio, includes supervised, unsupervised, and deep learning projects. ***Python*** **GitHub**