GONZALO MUNILLA GARRIDO

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EDUCATION

Target degree: Dr. rer. nat. Computer Science: Data Privacy, Oct 2019 - Present
Technical University of Munich (TUM), Department of Informatics - Prof. F. Matthes
Dissertation topic: Improving the Applicability of Privacy-Enhancing Technology in Practice

Visiting Student Researcher: Privacy Engineering, Mar - Sep 2022
UC Berkeley, Department of Computer Science - Prof. Dawn Song
Funding: $6,000 from the Ethereum Foundation grant program.

M.Sc. Mult. Mechanical Engineering and 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)
Year abroad: 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)	Exploring the Unprecedented Privacy Risks of the Metaverse	2022 (pre-print)
II)	Towards Verifiable Differentially-Private Polling	2022 (published)
III)	Do I Get the Privacy I Need? Benchmarking Utility in Differential Privacy Libraries	2021 (pre-print)
IV)	Revealing the Landscape of Privacy-Enhancing Technologies in the Context of Data Markets for the IoT: A Systematic Literature Review	2021 (published)
V)	A Blockchain-Based Flexibility Market Platform for Electric Vehicle Fleets	2020 (published)

PATENTS

US #63/366,499 (G06F 21/32): System and Method for Determining Personal Information from Extended Reality Tracking Data — Jun 2022 (pending)
US #63/366,500 (G06F 21/60): System and Method for Protecting Personal Information from Extended Reality Tracking Data — Jun 2022 (pending)

TECHNICAL SKILLS

Knowledgeable Python
Familiarity Solidity, SQL, C#, JavaScript, Docker, Travis CI, Kubernetes, Serverless, Node.js, AWS, Git

EXPERIENCE

Ph.D. Student Oct 2019 - Present
The BMW Group, *Munich*
TUM, *Munich*
• Led the BMW Group's joint project with Oasis Labs to integrate a private SQL engine in the data lake to enhance privacy without losing more than 15% of accuracy and performance **SQL** Post
• 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

TECHNICAL PROJECTS

Featured in Google's Awakening magazine, article on differential privacy Article
Featured in The Register, article on the privacy risks of the metaverse Article
MetaGuard, co-creator of the first proposal for a metaverse incognito mode **C#** GitHub
Contributor of the month at OpenMined, a non-profit developing privacy tools OpenMined
Blogger at OpenMined, posts on differential privacy code tutorials **Python** OpenMined, GitHub
Data science portfolio, includes supervised, unsupervised, and deep learning projects **Python** GitHub