GONZALO MUNILLA GARRIDO

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EDUCATION

Target degree: Dr. rer. nat. Computer Science: Privacy Engineering,   Oct. 2019 - Present
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	2022 (pre-print)
II)	Exploring the Unprecedented Privacy Risks of the Metaverse	2022 (pre-print)
III)	Towards Verifiable Differentially-Private Polling	2022 (accepted)
IV)	Lessons Learned: Surveying the Practicality of Differential Privacy in the Industry	2022 (accepted)
V)	Revealing the Landscape of Privacy-Enhancing Technologies in Data Markets	2021 (accepted)
VI)	A Blockchain-Based Flexibility Market Platform for Electric Vehicle Fleets	2020 (accepted)

PATENTS

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

MEDIA COVERAGE & TECHNICAL PROJECTS

Featured in Google's Awakening magazine, article on differential privacy   Awakening
Featured in Forbes and The Register, articles on metaverse privacy risks   Forbes, The Register I, II & III
Co-Creator of MetaGuard, the first proposal for a metaverse incognito mode **C#**   GitHub, Website, Talk
Contributor of the month at OpenMined, a non-profit developing privacy tools   Featured, Blog
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