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: $10,000 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)	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 (published)
IV)	Do I Get the Privacy I Need? Benchmarking Utility in Differential Privacy Libraries	2021 (pre-print)
V)	Revealing the Landscape of Privacy-Enhancing Technologies in Data Markets	2021 (published)
VI)	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

MEDIA COVERAGE & TECHNICAL PROJECTS

Featured in Google's Awakening magazine, article on differential privacy   Awakening
Featured in Forbes and The Register, articles on the privacy risks of the metaverse   Forbes, The Register I, II
MetaGuard, co-creator of the first proposal for a metaverse incognito mode **C#**   GitHub, Website, Talk
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
Professional Scrum Master I, email for verification: gonzalo.munilla-garrido@tum.de   Credential