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, SQL, C#, JS, Docker, Travis CI, 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 initiatives, including: Sideloading in iOS, instant messaging interoperability for WhatsApp and Messenger, anonymization of Google Search data, and 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   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