

# Matthias Dellago

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## Publications

**Characterising 0-day exploit brokers**, *Matthias Dellago, Daniel Woods, Andrew Simpson*, Workshop on the Economics of Information Security, 2022.

**Exploit brokers and offensive cyber operations**, *Matthias Dellago, Daniel Woods, Andrew Simpson*, *The Cyber Defense Review*, 2022.

**Formalising attack trees to support economic analysis**, *Andrew Simpson, Matthias Dellago, Daniel Woods*, *The Computer Journal*, 2022.

## Experience

- 2021-2022 **Researcher**, *Information Security and Privacy Lab*, University of Innsbruck.  
Joint Project with Oxford University: Combining Exploit Market Data with Attack Trees.
- 2020 **Instructor of Undergraduate Mathematics for Economics Exercise Class**,  
*Department of Statistics*, University of Innsbruck.
- Summer 2018 **Lab Assistant**, *Institute for High Energy Physics*, Austrian Academy of Sciences.  
Measured and approved detectors for use at CERN.
- 2018 **Teaching Assistant for Introductory Physics Course**, University of Vienna.

## Education

- June 2023 **ML Alignment Theory Scholars Program**, *Stanford Existential Risks Initiative*.  
Wentworth Track: 6-week workshop on AI-risks, problem solving and scientific writing.
- 2022 **Exchange Program**, *Vrije Universiteit Amsterdam*.  
Software reverse engineering and machine learning on graphs.
- 2020-Present **Computer Science Master's Studies**, *University of Innsbruck*.  
Focus on machine learning and information security.
- 2019-2020 **Physics Master's Studies**, *University of Innsbruck*.  
Focus on adiabatic quantum computation. Switched to computer science in 2020.
- 2015-2019 **Physics BSc**, *University of Vienna*.  
Designed and built a cloud chamber to win a competition for muon (cosmic ray) detection.
- 2007-2015 **Gymnasium**, *Krottenbachstraße*, Vienna.  
English-German bilingual high school. Graduation with perfect score.

## Languages

German Native  
English Near-Native

## Other Interests

Competed in swimming, triathlon, cross country skiing and judo. Currently also mountaineering. Drumming, literature, history.