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CONTACT INFORMATION	jonathan.scott@ist.ac.at	+43 67764005086
EDUCATION	<b>Institute of Science and Technology Austria</b>	<b>Sep 2020–Present</b>
	<ul style="list-style-type: none"> <li>Machine Learning PhD Student, since February 2022 affiliated with Professor Christoph Lampert.</li> <li>Research Interests: federated learning, semi-supervised learning, privacy.</li> </ul>	
	<b>University of Cambridge, UK</b>	<b>Oct 2017–Jul 2018</b>
	<ul style="list-style-type: none"> <li>Master’s in Pure Mathematics.</li> </ul>	
	<b>University of Edinburgh, UK</b>	<b>Sep 2013–Jun 2017</b>
	<ul style="list-style-type: none"> <li>First Class B.Sc. in Mathematics (ranked 1/120).</li> </ul>	
PAPERS	<p><b>Jonathan Scott</b>, Hossein Zakerinia, Christoph H. Lampert. “<i>PeFLL: Personalized Federated Learning by Learning to Learn</i>” (Accepted ICLR 2024)  <a href="https://arxiv.org/pdf/2306.05515.pdf">https://arxiv.org/pdf/2306.05515.pdf</a></p> <p><b>Jonathan Scott</b>, Michelle Yeo, Christoph H. Lampert. “<i>FedProp: Cross-client Label Propagation for Federated Semi-supervised Learning</i>” (Published TMLR Oct 2023)  <a href="https://openreview.net/pdf?id=gY04GX8R5k">https://openreview.net/pdf?id=gY04GX8R5k</a></p>	
EXPERIENCE	<b>Apple Research Internship</b>	<b>May 2023 - Sep 2023</b>
	<ul style="list-style-type: none"> <li>Research intern with the Private Federated Learning team in Cambridge, UK.</li> </ul>	
	<b>IST Austria Teaching Assistantship</b>	<b>Oct 2022 - Jan 2023</b>
	<ul style="list-style-type: none"> <li>Teaching assistant for the Modern Machine Learning course, responsible for class of approximately 20 students</li> </ul>	
	<b>IST Austria Research Internship</b>	<b>Jan 2020 – Sep 2020</b>
	<ul style="list-style-type: none"> <li>Applied topological data analysis to interpret neural network outputs.</li> </ul>	
	<b>DHL Consulting Internship</b>	<b>Aug 2019 – Oct 2019</b>
	<ul style="list-style-type: none"> <li>Management consulting internship, delivering DHL wide Internal Control System.</li> <li>Working with software engineering team to build an online reporting dashboard.</li> </ul>	
INVITED TALKS	Federated Learning Seminar at Owkin, Paris	<b>Nov 2022</b>
VOLUNTEERING	<b>KI Macht Schule</b>	<b>2021 – Present</b>
	<ul style="list-style-type: none"> <li>Outreach organisation focused on communicating artificial intelligence concepts</li> <li>Prepared and presented day long workshops on machine learning and artificial intelligence to high school students in Vienna</li> </ul>	
	<b>University of Edinburgh Maths Outreach team</b>	<b>2013–2017</b>

- Organised public lectures, masterclasses and events in Edinburgh Science Festival.
- Received the Edinburgh Award in 2016 for my work with the Outreach Team.

**ACADEMIC  
AWARDS**

**Napier Medal and Gangadhar Balwant Gadgil Prize** **2017**

- Awarded to the best final year student in Mathematics from the University of Edinburgh.

**Arthur Erdélyi Prize** **2016**

**William & Isabella Dick Prize** **2015**

**George Williamson Memorial Prize** **2014**

- Awarded, respectively, on the basis of distinguished performance in Year 3, Year 2 and Year 1 Mathematics Examinations at the University of Edinburgh.

**SCHOLARSHIPS**

**Newton College Masters Award** **2017–2018**

- Awarded £12,000 on the basis of academic merit to study for the MAST. in Pure Mathematics at the University of Cambridge.

**William Manson Vacation Scholarship** **2014**

- Awarded funding to carry out a summer research project titled “Quasi Smoothness of Curves in Weighted Projective 3-Spaces” with Professor Ivan Cheltsov.

**SCHOOLS  
ATTENDED**

**Summer School on Privacy-Preserving Machine Learning** **Aug 2022**

Topics included Federated Learning, cryptography and Differential Privacy. Hosted by TU Copenhagen and Aarhus University.

**ELLIS Cambridge Machine Learning Summer School** **Jul 2022**

General ML focused school hosted by Cambridge University.

**The Machine Learning Summer School (MLSS)** **Jun 2020**

Summer school hosted by Max Planck Institute for Intelligent Systems, Tübingen.

**SKILLS**

**Programming**

Advanced Python (PyTorch, Tensorflow, Keras, scikit-learn, scipy), Git, Latex.

**Languages**

Native English, Fluent German, Intermediate French, Intermediate Polish.

**INTERESTS**

**Chess**

Scottish junior national team, competed in World and Euro Youth Championships.

**Badminton**

Competing in third Austrian National League. Previously at Cambridge University 1st Team in the top tier of UK university divisions. Training 2-3 times per week.