

Lorenzo SONNINO

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PERSONAL DATA

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EDUCATION

2021 - 2023 **Keio University**, Tokyo, Japan.
Master Degree COMPUTER SCIENCE, enrolled in the AMANO-KONDO LAB.

2020 - 2023 **Catholic University of Louvain (UCLouvain)**, Louvain-La-Neuve, Belgium.
Master Degree ELECTRICAL ENGINEERING.

2017 - 2020 **Catholic University of Louvain (UCLouvain)**, Louvain-La-Neuve, Belgium.
B.Sc. ENGINEERING option in ELECTRONICS and COMPUTER SCIENCE.

2011 - 2017 **Institut Saint-Boniface Parnasse**, Brussels, Belgium.
Secondary School, ORIENTATION: LATIN - MATHEMATICS.

EXPERIENCES

2021 - 2023 **Judo Club**, Keio University's Judo club.
Member of the club

Summer vacations **Private tutor**
Mathematics and Computer Science tutor

2016 - 2017 **Mini Entreprises**
Entrepreneurial Skill Pass

2011 - 2017 **Water-Polo Player**, Royal Ixelles Swimming, Club (RISC).
Member of the water-polo team ROYAL IXELLES SWIMMING, CLUB

2011 - 2016 **Water-Polo Player**, Swimming Club Calypso (SCC).
Member of the water-polo team SWIMMING CLUB CALYPSO

2007 - 2017 **Musical instrument**, Flute player.
Flute student at the Academie d'Ixelles

2003 - 2012 **Swimming**, Cercle de Natation d'Ixelles (CNI).
Member of the swimming team CERCLE DE NATATION D'IXELLES

LANGUAGES

FRENCH: Native	ENGLISH: Advanced (C1)	JAPANESE: Basic
ITALIAN: Native	DUTCH: Scholar Level (B1)	

COMPUTER SKILLS

Simulation Software: Synopsys DesignCompiler NX, Cacti, Timeloop/Accelergy, Intel Quartus Prime, Intel ModelSim, LTSpice, MathWorks Matlab.

Programming Languages: Python, C, SystemVerilog, Java, Matlab, zsh/Bash/Shell, SQL amongst other.

Familiar Libraries: numpy, scipy, PyTorch, TensorFlow, imageio, scikit-learn, opencv amongst other.

Other Software: Docker, Git, L^AT_EX, JetBrains suite, Microsoft Office PowerPoint, Adobe Illustrator, Blender, The Foundry Nuke.

PUBLICATIONS AND CONFERENCES

- 2022 **to be published**, DAISM: Digital Approximate In-SRAM Multiplier-based Accelerator for DNN Training and Inference
Lorenzo Sonnino, Shaswot Shresthamali, Yuan He, Masaaki Kondo
- 2021 **SWoPP22**, An SRAM-Based Approximate Digital Multiplier for DNN Acceleration
Lorenzo Sonnino, Shaswot Shresthamali, Yuan He, Masaaki Kondo