Ilpo
Viertola

Professional to be in deep learning.

I'm a deep learning doctoral researcher interested in multimodal and generative AI. Leveraging my expertise, I want to develop technologies that help people fulfil their creative needs.

Outside of the lab, most of my time is spent around electronic music. As a DJ and event organizer, I have learned what working together with your team under pressure really means. Additionally, I love photography and documenting everyday life, running, and freeskiing.

Contact

Phone
+358405876877

Email
Ilpo.viertola@gmail.com

Web
www.github.com/ilpoviertola
www.linkedin.com/in/ilpo-viertola/

Expertise

MATLAB

Deep Learning

Communication

Machine Learning

Signal Processing

Optic Laboratory Work

Creativity/Problem solving

Python/R/C++/Java/Ruby

Language Skills

Finnish - Native
English - Full professional proficiency
Swedish - Limited working proficiency

Honors & awards

2023 Graduation with Distinction
Issued by Industrial Research Fund at
Tampere University of Technology

Work Experience

2023- — **Doctoral Researcher | Tampere University**
Multimodal deep learning, content generation, and user control in content synthesis. Synthesised media evaluation and detection.

2023-2023 — **Software Engineer | Microsoft Oy**
Building image quality analysis and testing tool for camera device image quality tuning purposes. Both front- and backend development.

2021-2023 — **Trainee | AAC Technologies Oy**
As a trainee I have taken apart and gathered knowledge in the:

- Designing and developing an automatic image quality tuning framework
- Implementing and designing objective and subjective image quality metrics

Education

2023- — **Doctor of Philosophy - Computer Science**
Applying deep learning methods in audio-visual understanding and generation.

2021-2023 — **Master of Science**
Faculty of computer science. Major in signal processing and machine learning, with a focus on the field of computer vision. Minor in data science.
MSc thesis: www.urn.fi/URN:NBN:fi:tuni-202304123649
BSc thesis: www.urn.fi/URN:NBN:fi:tuni-202104233419

2021-2022 — **Master of Science - exchange study period**
The exchange study period in Paris Lodron Universität in Salzburg, Austria. I was studying in the faculty of computer science.

Reference

Timo Gerasimow
Senior manager, AAC Technologies Oy

Phone: +358452307932
Email: timogerasimow@aactechnologies.com