



Leevi Veneranta

MSc Machine Learning student

Personal Profile

I am an aspiring computer scientist who is passionate about learning and self-development. As my motto goes:

Every day is an opportunity to learn and improve myself

Highly interested in various topics in computer science including machine learning, algorithms and programming IoT devices. I wish to continue developing my skills further and have an impact on the society!

For further information on me, please see my website at <https://venleevi.github.io>

Abilities

- **Motivated** and **well-disciplined**
- **Quick** and **eager to learn** anything new!
- **Fluency** in both **written** and **spoken** English
- **Reliable** and **flexible team player**
- Strong skills in **independent** work

Programming languages

Python	<div><div></div></div>	Expert
C / C++	<div><div></div></div>	Proficient
Scala	<div><div></div></div>	Proficient
R	<div><div></div></div>	Proficient
Matlab	<div><div></div></div>	Proficient
Julia	<div><div></div></div>	Beginner

Contact Information

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- 🌐 www.github.com/venleevi
- 🌐 <https://venleevi.github.io>

EMPLOYMENT HISTORY

Teaching Assistant, Aalto University	26.10.2020 - Present
<ul style="list-style-type: none">• Data Structures and Algorithms• Statistical Inference• First Course in Probability and Statistics• Differential and Integral Calculus 2	
Research Assistant, Aalto University	1.5.2021 - 12.9.2021
<ul style="list-style-type: none">• Department of Computer Science: Astroinformatics• Development of 3D astronomical data visualization tools using Pyvista and Python• See https://venleevi.github.io/pyvista-plotter/ for further details	
Research Assistant, Aalto University	1.6.2020 - 31.8.2020
<ul style="list-style-type: none">• Department of Applied Physics: Atomic scale physics• Reimplementation of a microscope automation framework to support a different Python API• Training of machine learning models using a super computing cluster (Triton) and evaluation of their performance.	

EDUCATION

MSc in Computer Science, Aalto University	9.2021 - 12.2022
<ul style="list-style-type: none">- Major: Machine Learning, Data Science and Artificial Intelligence- Completed 45 / 120 ECTS, with 4.86 GPA- Total of 243(+15) ECTS in 3 years with 4.66 GPA- Total of ~313 ECTS by Summer 2022- Estimated graduation: Fall 2022	
BSc in Engineering Physics, Aalto University	1.2019 - 12.2021
<ul style="list-style-type: none">- GPA: 4.82- Minors: Computer Science and Mathematics- BSc Thesis: "Automation of Scanning Tunneling Microscopy using Neural Networks" (Pass with Distinction)	
Matriculation Examination, Classical High School of Tampere	8.2015 - 6.2018
<ul style="list-style-type: none">- Physics (L), Mathematics (L), Chemistry (E), Biology (E), English (E), Finnish (M)	

LANGUAGES

Finnish	Native
English	Professional proficiency
Swedish	Limited working proficiency
German	Elementary proficiency

SKILLS

Python: <ul style="list-style-type: none">• Pandas• PyTorch• NumPy• Sklearn• Matplotlib• Pyvista• and many more...	Mathematica Anaconda Jupyter SLURM Emacs	Git LaTeX Linux Bash
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INTERESTS AND HOBBIES

Reading & Learning to learn something new every day	Tinkering electronics and IoT programming with e.g. Raspberry Pi / ESP32
Personal development to improve myself and find new, more efficient methods	Exercise Keeps your mind refreshed and resilient