Joram Puumala

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EDUCATION

Tampere University	Tampere, Finland
Master of Science in Computer Science, Data Science	*Aug. 2019 – Dec 2021*
Bloomsburg University of Pennsylvania	Bloomsburg, PA
Exchange studies, Computer Science and Digital Forensics	*Jan. 2017 – May 2017*
Haaga-Helia University of Applied Sciences	Helsinki, Finland
Bachelor's Degree in Information Technology	*Jan. 2015 – Dec 2017*

EXPERIENCE

Teaching Assistant in Machine Learning — Aug 2020 – Dec 2020
Tampere University — *Tampere, Finland*

- Teaching assistant for the courses *Introduction to Pattern Recognition and Machine Learning* and *Pattern Recognition to Machine Learning*
- Helping students during weekly exercise sessions
- Grading weekly exercises

Systems Specialist & Software Engineer — June 2017 – Present
NDC Networks / Cinia — *Espoo, Finland*

- Developed software and automation tools with Python
- Server administration and configuration management, mostly different Linux distributions
- Bash scripting for server automation and router utilities
- Chairman of Kanban
- Occasional IoT projects

PROJECTS

CoSSH | *Python, Multiprocessing, Paramiko* — June 2018 – October 2018

- Open-source mass configuration tool for Advantech's industrial routers
- Configuration locally and remote over SSH (paramiko)
- Parallel remote configuration (multiprocessing)

NHL Logo Vision | *Python, Tensorflow, OpenCV* — November 2020 – Present

- CNN Model which is able classify all 32 teams' logos/jerseys in real-life environment
- Live detection and tracking of objects in video feed

KEY ABILITIES

Machine Learning - In the past couple of years I've spent tremendous time revising math, understanding ML algorithms and implementing them from scratch. My main focus is on computer vision, it is a beautiful topic with endless possibilities.

Programming - The last five years I've been writing code in my profession and as a hobby. My ability to express ideas in code has grown greatly during that time. Most recently I've picked up parallel programming with GPUs, as it goes hand in hand with ML.

Focus - Ability to deeply focus is something that I've practiced ever since I started programming. Leave distractions aside and dive deep into the task. It enhances thinking and creativity.

Optimism - I believe in big ideas that have lasting positive impact on humanity. Being part of something great which changes the world for better is a huge driving force for me.