



Aleksi YLI-LAURILA

🏠 09.09.1998
🏠 Turku, Finland
✉️ aleksi.ylilaurila@gmail.com
🌐 linkedin.com/in/aleksi-yli-laurila
🐙 github.com/ajylla

Hey, my name is Aleksi. I'm a physicist from the University of Turku. Besides physics, my main areas of knowledge include mathematics, programming and data analysis. I'm calm and analytical. Currently I am looking for a place of work where I can apply what I already know, and of course learn something new.

EDUCATION

MSc, Space Physics

Solar energetic electron event characteristics as inferred from spacecraft and ground-based observations
University of Turku, Space Research Laboratory 📍
2023 – 11/2024 📅

BSc, Physics

Auringon radiopurkaukset ja niiden yhteys Auringon suurienergiasten hiukkasten purkauksiin
University of Turku 📍
2017 – 2023 📅

PROJECTS

Solar Particle Onset Tool (SPOT)

Python program to determine solar particle onsets from spacecraft data. Developed for the Space Research Laboratory, later merged into [SEPpy](https://github.com/ajylla/SEPpy)
<https://github.com/ajylla/SPOT> 🐙

epd_plot

Python script for working with data from Solar Orbiters EPT, HET and STEP instruments
https://github.com/ajylla/epd_plot 🐙

PUBLICATIONS

The solar cycle 25 multi-spacecraft solar energetic particle event catalog of the SERPENTINE project (second author)

Nina Dresing *et. al.* 🧑
Astronomy & Astrophysics 📖
DOI: 10.48550/arXiv.2403.00658 🔗

Solar Energetic Particle Time Series Analysis with Python (co-author)

Christian Palmroos *et. al.* 🧑
Frontiers in Astronomy and Space Sciences 📖
DOI: 10.3389/fspas.2022.1073578 🔗

WORK EXPERIENCE

Research assistant

Working with data from the Solar Orbiter spacecraft
📍 Space Research Laboratory, University of Turku
📅 01.09.2023 – 30.11.2023

Research assistant

Software development and data analysis for [SERPENTINE](#) project
📍 Space Research Laboratory, University of Turku
📅 01.05.2023 – 30.06.2023

Building maintenance worker

Summer job in building and residence maintenance
📍 Kiinteistöpalvelu Nissinen, Hervanta
📅 Summers 2014 – 2018

SKILLS

Computer

●●● Python	●●○ Linux
●●○ Office tools	●●○ SQL
●○○ Java	●○○ C

Other tools

● COMSOL Multiphysics ● MATLAB
● Vim (better than emacs) ● Critical thinking

Languages

●●● Finnish	●●● English
●○○ Swedish	

PERSONAL INTERESTS

📖 Computers 📖 Outdoors 📖 Science
📖 Reading 📖 Almost everything, really

REFEREES

Nina Dresing
Academy researcher
nina.dresing@utu.fi

Rami Vainio
Professor
rami.vainio@utu.fi
+358 29 450 4294