

Curriculum Vitae

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1. Personal details

- Surname Koistinen
- First name Kosti
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- Github <https://github.com/kostikoistinen>
- Master's Thesis <https://urn.fi/URN:NBN:fi-fe2022112567166>

2. Degree

- 2017 – 2023: Master of Science (Physics and Astronomy), University of Turku

3. Other studies

- Minor studies: Mathematics (60 etcs)
- Basic studies: Computer sciences (25 etcs), Astrobiology (25 etcs), Geography (25 etcs), University of Turku

4. Language skills

- Finnish (native)
- Swedish (B1), English (C1)

5. Programming Skills

- Python, Fortran95 (Excellent)
- R, SQL (Good)
- Java (Basics)

6. Summary of Working skills

- Excellent Data analysis and visualization skills. Knowledge how to build Python pipelines and construct demanding numerical and physical simulations.
- Profound understanding of Bayesian Inference and other statistical mathematics. Expert in stochastic processes, e.g. time series data.
- Basics of Machine learning algorithms and libraries, e.g. Tensor Flow.
- Knowledge of Big Data handling, including SQL queries and construction of such databases.

7. Ongoing Studies

- Pedagogical studies (60 etcs), University of Turku
- Data Analysis & Machine Learning, Åbo Akademi

8. Teaching and other work

- 2021 Arktinen aikavaellus, Summer school for high school students, Teacher in Physics and Astronomy, Utsjoki, Finland
- 2019-2020 Aikavaellus ry, treasurer in non-profit organisation focused in developing pedagogical tools and innovations, Turku, Finland
- 2018 Europlanet Summer School, Attendance as a student, Hosted by University of Vilnius, in Moletai, Lithuania.
- 2015 Sommelier student, Disney Cruise Lines, Bahamas
- 2007-2022 Continuous work in hospitality trade. Team leader, manager and a team player.

List of publications

- Tuomi, M., Hackman, T., Lehtinen, J, Vinés, J.I., Koistinen, K., Jones, H.R.A., Jenkins, J.S. (2023): *Radial velocity variability of Proxima Centauri: spots and planets*, submitted to **Astronomy & Astrophysics**
- Berton, M., Glad, A., Koistinen, K., Oleynik, P., Kankare, E., Mattila, S. (2019): *Spectroscopic classification of AT2019sou* , **The Astronomer's Telegram**, No. 13318