# Gijs Molenaar, PhD

*Research Engineer*
*Machine learning Engineer*
*Software Engineer*

I'm a consultant operating at the exciting intersection of software engineering, dev-ops, and machine learning. MSc in artificial intelligence, a PhD in astronomy. Strong communicator and independent worker with a passion for technology. 20+ years of experience.

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## Relevant Work Experience

### Pythonic.nl

*self-employed consultant  2003 - Present*

Clients include:
- DPG Media (NL) - product owner technical debt in the machine learning team
- Alliander (NL) - simulations and reinforcement learning to optimise long-term financial investment strategies.
- The Berkeley SETI Institute (NL) - astronomical pulsar and fast transient software.
- Centrum Wiskunde en Informatica (NL) - MonetDB and MonetDBe-python, the fast column store database system.
- SURFnet (NL) - Linux VPN client for the eduVPN project.
- Scentronix (NL) - assisting with the inception of the perfume blending algorithms and helped out with the cloud-based machine learning infrastructure.

### University of Amsterdam (Anton Pannekoek Institute)

*Research engineer 2012-2017*

Here, I was working on the AARTFAAC telescope, an expansion of the Dutch LOFAR radio telescope. The AARTFAAC telescope is a fast, wide-angle and low-frequency telescope that observes the sky 24/7, looking for transients like gamma-ray bursts and black hole mergers. half of the time I seconded to the Square Kilometer Project (SKA) in South Africa.

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## Education

- PhD, Physics, Rhodes University (South Africa) 2015-2020
- MSc, Artificial Intelligence, University of Amsterdam, 2008-2010
- BS (Cum Laude), Hogeschool van Amsterdam, 2004-2008
- MBO Electrotechniek, 2000-2004

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## Others

In my spare time, I enjoy making beer and whisky. I also co-owned a brewpub in Cape Town. To stay active I enjoy hiking and kickboxing. Flying FPV drones is a recent addition I picked up. Before corona, I was an active meetup organiser and hosted many Machine Learning, Data Science, Docker and ex-pat meetups, both in Cape Town and in Amsterdam.

For more information please have a look at my LinkedIn profile, Github profile  or website:
https://www.linkedin.com/in/gijsmolenaar/
https://pythonic.nl
https://github.com/gijzelaerr