Gerben Koopman

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ABOUT

Enthusiastic artificial intelligence student with a strong focus on the intersection of mathematics and artificial intelligence. Especially interested in applying algebra and geometry to optimize and regularize machine learning models, with a keen interest in both application and theory. Eager to contribute my expertise in mathematics to solve complex data challenges.

EDUCATION

University of Amsterdam — Amsterdam
MSc Artificial Intelligence — 2024–Current
MSc Mathematics

University of Amsterdam — Amsterdam
BSc Mathematics, GPA: 7 — 2019–2024
  - Thesis: 'Classification of Elliptic Curves', Grade: 7

Wyke Sixth Form College — Hull
A-Level, GPA: A — 2016–2017

St. Michaël College — Zaanstad
VWO, GPA: 8 — 2012–2019
  - Thesis: 'Machine Learning: Handwriting Recognition', Grade: 8

EXPERIENCE

Koffieschenkerij — Amsterdam
Waiter — Sep 2022–Sep 2024

St. Michaël College — Zaanstad
Persoonlijk Assistent Leraar / Personal Assistant Teacher — 2019–2021
  - Teaching and mentoring groups of up to 12 students, ages ranging between 12 to 18 years old. Including the AZ Alkmaar student athlete cohort.

WoIP — Alkmaar
Internee — 2015
  - Visiting customers to diagnose and resolve IT-related issues. As well as in-house hardware and software maintenance.

SOFT SKILLS

- **Team Leadership**
- **Communication**
- **Public Speaking**
- **Debating**

HARD SKILLS

- **Mathematics**
- **Deep Learning**
- **Geometric Learning**
- **Programming (Python, Java, C)**

Scholarships and Awards

- Best Delegate TLVMUN   Aug 2019
  For essential and valuable contributions to the debate in Crisis at the Model United Nations Tel Aviv.
- Lagerhuis Provincial Preliminaries   Feb 2019
  Op weg naar het Lagerhuis *is the biggest debating competition in the Netherlands counting more than 200 participating schools.*
- Half-Termly Award   Dec 2017
  For excellence in Mathematics and Physics.

Languages

- **Dutch** native proficiency
- **German** limited working proficiency
- **English** full professional proficiency
  - *Exam:* Cambridge English Level 3 Certificate in ESOL International (Proficiency)