

BRAM SILUE

✉ bram@silue.dev www.silue.dev

EMPLOYMENT

Artificial Intelligence Lab Brussels

Brussels, BE

DOCTORAL RESEARCHER

2023 – Now

- Developing novel reinforcement learning algorithms with enhanced sample efficiency for multi-objective decision-making within computationally intensive stochastic models.

EDUCATION

Doctor of Philosophy (PhD) in Machine Learning

Brussels, BE

VRIJE UNIVERSITEIT BRUSSEL


2023 – Now

Master of Science (MSc) in Engineering – Computer Science

Brussels, BE

VRIJE UNIVERSITEIT BRUSSEL

2020 – 2023

- Honors: *magna cum laude*.
- Cumulative GPA: **4.0/4.0**.
- Published 1 peer-reviewed paper. 

Bachelor of Science (BSc) in Engineering – Electronics & IT

Brussels, BE

VRIJE UNIVERSITEIT BRUSSEL

2016 – 2022

NOTABLE PROJECTS

Algorithmic Market Maker

SKILLS: PYTHON (NUMPY, MATPLOTLIB), SQL

- Implemented simulations and visualizations of a market maker using the Avellaneda-Stoikov high-frequency trading model. This involved creating an algorithm for setting bid and ask prices while taking into account inventory management and risk, all simulated under dynamic market conditions using Brownian motions stored in an SQLite database.

PROFILE OVERVIEW

Technology: Python, Git, Unix, L^AT_EX.

Languages: English (fluent), Dutch (native), French (native), German (intermediate).

Personal Interests: Music Production, Automotive Industry, Fitness, Horology, Investing.

Professional Interests: Quantitative Trading, Machine Learning, Software Engineering, Research.