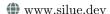
Bram Silue

☑ bram@silue.dev





Artificial Intelligence Lab Brussels

Brussels, BE 2023 – Now

DOCTORAL RESEARCHER

• 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

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

Brussels, BE

Vrije Universiteit Brussel

2020 - 2023

 \bullet Honors: $magna\ cum\ laude$.

• Cumulative GPA: **4.0/4.0**.

Published 1 peer-reviewed paper.

Brussels, BE

Vrije Universiteit Brussel

2016 - 2022

T COMPETITIONS

Optiver Challenge – 1st place \mathscr{O}

Edinburgh, UK

Mar 2024

THE UNIVERSITY OF EDINBURGH

</ > ✓ 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, LATEX.

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.