

ADAM DERYŁO

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Education

Warsaw University

Bachelor of Science in Computer Science

Oct. 2020 – Ongoing

Warsaw, Poland

- Top rated CS undergraduate program in Poland according to QS ranking.
- 1st-year modules: Functional Programming, OOP, C, Introduction to AI, Linear Algebra.
- 2nd-year modules: Algorithms, Databases, Computer networks, Web Apps, Statistics with R.

Warsaw University

Bachelor of Arts in Cognitive Science & Philosophy

Oct. 2020 – Ongoing

Warsaw, Poland

- First year modules: Brain anatomy, Linguistics, Introduction to Cognitive Science.
- Second year modules: Contemporary Continental Philosophy, Epistemology.

Experience

Goldman Sachs

Summer Analyst | Redis, Java, Prometheus, Golang

Jun. 2022 - Aug. 2022

Stockholm, Sweden

- Global reconciliations team, daily processing of 80+ mln trade & position data entries.
- Collaborated on optimizing caching performance and reliability of data loading processes.
- Worked on extending database performance limits with intelligent cache priming based on Change Data Capture.
- Developed Redis cache monitoring tool suite to speed up UAT emergency debug.

ReSpo.Vision

Software Engineer Intern | Python, PostgreSQL, Git, SQL, PyTorch

Jul. 2021 - May. 2022

Warsaw, Poland

- Did 40+ sprints under the Agile development framework in a rapidly growing team.
- Worked on a back-end optimization and implementation of betting hints generator that withstood 100k API calls daily.
- Collaborated on betting-odds concurrent scraper using HTTPX and Scrapy.
- Created a deep learning NLP module with the use of cutting edge architectures such as BERT.
- Module tackled the problem of context-dependent noun declination in Slavic languages.

Bain & Company

Spring Intern | Nielsen, Ipsos, Bain's overlay for MS Office

Mar. 2021 - Apr. 2021

Warsaw, Poland

- Supporting a consulting team in the area of wood market data analysis.
- Taking part in series of workshops conducted by Bain consultants on M&A and consulting frameworks.
- Solving a team-based business case study under the supervision of a dedicated mentor.
- Presenting results of case study to the board of partners.

Projects

Concurrent Unix directory | C, Pthreads, Valgrind/Helgrind, Cmake, Git

Jan. 2022

- Implemented UNIX file directory system, which allowed for concurrent creation, deletion and movement of files.
- Utilized tailored-made readers-writers lock with Latest Common Ancestor writer locking.

JSON based programming language | Java, Git, GitLab

May. 2021

- Created custom de/serializer for JSON files representing computer program instructions.
- Used reflection to devise JSON-based programming language, which compiled in the JVM.

AI chess engine | Python, C++, Keras, Numpy, Pandas

Sep. 2019 - May. 2020

- Worked remotely in a small team under the Kanban workflow framework.
- Implemented an evaluation function for the chess engine using various Artificial Neural Networks architectures.
- Utilized the alpha-beta pruning min-max algorithm for the decision making of the chess engine.
- Pre processed a large dataset of over 1M chess games using C++ and Python.

Extracurricular

2nd Place, PSDC 2020 debating championship, preliminary stage to World Schools Debating Championship.

Scholarship, Polish Children's Fund - A highly selective mentoring and scholarship program for students.

Laurate, 8/1000+ in the 31st National Philosophy Olympiad

Skills

Programming Languages: Python, Java, C/C++, JavaScript, R, Ocaml, Go, SQL

Technologies: Git, Ubuntu/Debian, Jira, Redis, Docker, Pydantic, React

Natural languages: English (C2), Polish (Native), Spanish (B1)