

# 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*

- 1st-year modules: Brain anatomy, Linguistics, Introduction to Cognitive Science.
- 2nd-year modules: Contemporary continental philosophy, Epistemology, NLP.

## Experience

### Goldman Sachs

*Summer Analyst | Redis, Java, Procmon, 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, Postgre, Git, SQL, Pytorch*

**Jul. 2021 - May. 2022**

*Warsaw, Poland*

- 40+ sprints under the Scrum development framework in a rapidly growing team.
- Worked on a back-end implementation of a betting hints generator that withstood 100k API calls daily.
- Collaborated on betting-odds concurrent web scraper using HTTPX and Scrapy.
- Created a deep learning NLP module using cutting-edge architectures such as BERT.
- NLP 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*

- Supported a consulting team in the area of wood market data analysis.
- Took part in a series of workshops conducted by Bain consultants on M&A and consulting frameworks.
- Worked on a team-based business case study under the supervision of a dedicated mentor.
- Presented results of the case study to a 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)