

ADAM DERYŁO

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Education

Warsaw University

Oct. 2020 – Ongoing

Bachelor of Science in Computer Science

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: Adv. Algorithms, Databases, Computer networks, Web Apps, Statistics with R.

Warsaw University

Oct. 2020 – Ongoing

Bachelor of Arts in Cognitive Science & Philosophy

Warsaw, Poland

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

Experience

Goldman Sachs

Jun. 2022 - Aug. 2022

Summer Analyst | Redis, Java, Procmon, Golang

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

Jul. 2021 - May. 2022

Software Engineer Intern | Python, Postgre, Git, SQL, Pytorch

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

Mar. 2021 - Apr. 2021

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

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

N-dimensional labyrinth solver | C, Valgrind, Cmake, Git

Jun. 2022

- Developed high performance solver for multi dimensional mazes/large graphs.
- Utilized most memory efficient solution by incorporating 2-bit BFS algorithm.
- Implemented arbitrary large integer type to facilitate enormous labyrinths and showcase memory efficiency.

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.

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)