ADAM DERYŁO

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Education

Warsaw University   Oct. 2020 – Ongoing
Bachelor of Science in Computer Science   *Warsaw, Poland*
- Best computer science undergraduate program in Poland.
- Relevant first-year modules: Functional Programming, OOP, Introduction to AI, Linear Algebra.
- Relevant second-year modules: Algorithms, Databases, Concurrency, Web Applications, Statistics with R.

Warsaw University   Oct. 2020 – Ongoing
Bachelor of Arts in Cognitive Science & Philosophy   *Warsaw, Poland*
- First year modules: Brain anatomy, Linguistics, Introduction to Cognitive Science.
- Second year modules: Contemporary Continental Philosophy, Epistemology.

Experience

Goldman Sachs   Jun. 2022 - Aug. 2022
Summer Analyst | Redis, Java, Procmon, Golang   *Stockholm, Sweden*
- Global reconciliations team, daily processing of more than 80 mln trade & position data entries.
- Collaborated on optimizing caching performance and reliability of critical processes.
- Developed Redis cache monitoring tool suite and worked with a team on extending database performance limits with intelligent cache priming based on CDC.

ReSpo.Vision   Jul. 2021 - May. 2022
Software Engineer Intern | Python, Postgre, Git, SQL, Pytorch   *Warsaw, Poland*
- Did 40+ sprints under the Agile development framework in a rapidly growing team.
- 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.
- 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.

Bain & Company   Mar. 2021 - Apr. 2021
Spring Intern | Nielsen, Ipsos, Bain's overlay for MS Office   *Warsaw, Poland*
- Supporting a consulting team in the area of 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.

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++, R, Ocaml, Go, SQL
Technologies: Git, Ubuntu/Debian, Jira, Git, Docker, VS Code, Pydantic, Pytest
Natural languages: English (C2), Polish (Native), Spanish (B1)