Philipp Bruhns

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Education

University College London (UCL) Sep 2024 – Jun 2028
MEng Computer Science

- Grade: 83.60 / 100.00 (First Class)
- Minor in Applied Engineering Mathematics.

Gymnasium Cäcilienschule Oldenburg Sep 2015 – Jun 2024
Abitur (German A-Levels)

- Grade: 1.1 (top 3 %)
- Major in Mathematics, Computer Science, and Chemistry. Awarded for achievements in Computer Science.

Carl von Ossietzky University Oldenburg Oct 2020 – May 2021
Early Study Computer Science

- Modules: Programming, Data Structures & Algorithms and Object-oriented Modelling & Programming

Experience

Financial Engineering Intern Jul 2026 – Sep 2026
Assenagon Asset Management S.A. *München, DE*

- Joining for three months in summer 2026.

Spring Insight Programme, *Susquehanna International Group* Apr 2025

- Discovery Day for Trading, Equity and Quant Research

Secretary General, *Oldenburg Model United Nations e.V.* Jan 2023 – Aug 2024

- Organised Germany's largest student-run MUN conference, increasing total participants by 25 % to 1,000.
- Gained valuable leadership and collaborative experience while overseeing 19 student officers.

Projects

MirrorMirror PenPals AI Sep 2025 – Mar 2026
Systems Engineering Project, Intel & Cisco

- Built PenPals AI, an app written in Rust and React that brings the world into your classrooms.
- Powered by MirrorMirror, a general-purpose social networking engine that can be extended to other contexts.
- Presented at bettUK 2026 and to the Cisco WebEx CTO.

Performance Analysis of Self-Balancing Trees Mar 2025
Research Project, University College London

- Designed and implemented an experimental framework in Python to compare the performance of different self-balancing trees on insertion and searching operations using various types of data input.
- Presented findings in a detailed report, recommending a suitable data structure for most use cases due to its balanced performance in both operations.

Tetris AI Autoplayer Nov 2024
Competition, University College London

- Developed a strong heuristic based greedy algorithm to consistently reach high scores.
- Ranked 12th place out of 166 within the cohort.

Skills & Interests

Languages: English, German (native), Latin
Technology: Python, SQL, C, Java, Haskell, Excel
Societies: Quant Society, AI Society, Swimming Club
Interests: Competitive Swimming, Philosophy