

Nathan Johnson

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Education

Loyola University of Chicago

B.S. Computer Science

GPA: 3.94

Chicago, IL

Expected Graduation: May 2026

Relevant Coursework: Data structures and Algorithms, Discrete Math, Calculus I & II, Linear Algebra, Computer Systems, Programming languages.

Experience

TrueLayer

Business Development Intern

London, UK

January 2025 – Present

- Collaborate with the Commercial division to identify and evaluate strategic partnership opportunities, leveraging data analysis to provide actionable recommendations.
- Gain direct exposure to the FinTech ecosystem, focusing on Pay by Bank, Open Banking, and A2A.
- Produce market insights and competitive analyses that shape product positioning and go-to-market strategies.

Loyola University of Chicago

Loyola AI Club President

Chicago, IL

August 2023 – December 2024

- Led a cross-functional student team to develop a movie recommendation system using Pandas, NumPy, SQL, and Scikit-learn, demonstrating strong data analysis and problem-solving skills.
- Organized weekly meetings, coding competitions, and guest speaker events, growing attendance from 5 to 25 participants and honing public speaking and leadership abilities.

Argonne National Laboratory

Computational Research Aide / Sophomore

Lemont, IL

May 2024 – August 2024

- Contributed to ARCHES (Argonne Configuration Interaction for High-Performance Exascale Systems), focusing on GPU offloading using SYCL for performance-critical applications on the Aurora supercomputer.
- Performed code profiling and bottleneck analysis with MAQAO, proposing optimizations for computational kernels and maintaining detailed technical documentation of improvements.
- Applied OpenMP threading to parallelize workloads, demonstrating the ability to collaborate with HPC and software engineering teams under an agile research process.).

Computational Research Aide

May 2023 – August 2023

- Developed Python-based HPC workflows (CPS division), conducting code profiling via cProfile and optimizing parallel computation with mpi4py.
- Integrated C/C++ libraries into Python workflows (ctypes, pybind11), automating performance-critical operations and sharing results with cross-departmental stakeholders.

Skills

- Data Analysis & Market Research: Excel/Google Sheets, Pandas, NumPy, cProfile, MAQAO, SQL
- Technical Documentation & Communication: proficient in PowerPoint/Google Slides
- Collaboration & Leadership: Managed teams and events; collaborated with cross-functional groups