**Nathan Johnson**

Chicago, Illinois | [njohnson14@luc.edu](mailto:njohnson14@luc.edu) | 331-229-1644 | [GitHub](https://github.com/nathanjohnsongithub) | [LinkedIn](https://www.linkedin.com/in/nathan-johnson-compsci/)

**Education**

**Loyola University of Chicago**  Chicago, IL *B.S. Computer Science*  Expected Graduation: May 2026 **GPA:** 3.94 **Relevant Coursework:** Data structures and Algorithms, Discrete Math, Calculus I & II, Linear Algebra, Computer Systems, Programming languages.

**Experience**

**TrueLayer**  London,UK  *Business Development Intern* 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** Chicago,IL  *Loyola AI Club President* 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**  Lemont, IL

*Computational Research Aide | Sophomore*  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