

# Emil SAYAHI

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## EDUCATION

### Miami University (Oxford, OH)

BACHELOR OF SCIENCE in *Computer Science*, AUGUST 2021 - MAY 2025 (EXPECTED)

GPA: 3.83/4.00

RELATED COURSEWORK: Object-Oriented Programming, Data Structures, Systems, Databases, Algorithms, Machine Learning, Quantum Computing

## SKILLS

LANGUAGES:	Rust, C#, Java, JavaScript, C++, Python, D, SQL, PHP
FRAMEWORKS:	GTK, .NET
SOFTWARE:	Linux, IPFS, Git, Capture One, Slack, TeamDynamix, Office 365, Google Workspace, <del>Blender</del>
DEVELOPMENT:	Proficient with CI/CD, thorough with testing and drafting reports
PERSONAL:	Writing detailed & thorough documentation, iterating & collaborating with internal & external teams

## EXPERIENCE

AUGUST 2022 - PRESENT (OXFORD, OH)	Teaching Assistant at MIAMI UNIVERSITY: TA for Systems I course at Miami University; course material consists of object-oriented programming, C/C++, introductory networking, introduction to computer architecture, and introduction to relational databases & SQL. Responsible for grading assignments, assisting students in lab sessions, and holding weekly two-hour help sessions
MAY 2022 - PRESENT (OXFORD, OH)	Data Integration Intern at MIAMI UNIVERSITY: Working in maintaining & developing integrations with applications in Miami University's IT Service Management ecosystems. Meeting, communicating, and collaborating with enterprise partners. Utilising Amazon RDS, MySQL, Python, and TeamDynamix iPaaS; writing code to handle university data, and writing progress reports & documentation for relevant parties
MARCH 2022 - MAY 2022 (OXFORD, OH)	Women's Grant Student Assistant at MIAMI UNIVERSITY: Assisting the Digital Collections librarian at Walter Havighurst Special Collections, University Archives & Preservation. Primarily working to digitise collections with grant funding from the Miami Initiative for Advancing, Mentoring, and Investing in Women (M.I.A.M.I. WOMEN)

## PROJECTS

SUMMER SCHOLARSHIP:	<i>Analysis of Potential Malicious Strategies toward Bit-Exchange with IPFS</i> (April 2022 - August 2022) Analysis of efficacy in hampering network communication between nodes in a private IPFS network
DEPI (March 2022 - Present):	Terminal-based image viewer with network capabilities & graphics protocol support
ODO (January 2022 - Present):	Codebase automation tool as a lightweight alternative to a build system
LARZ (August 2021 - Present):	Archive tool, library, and format for efficient decompression (TAR & LZ4)
OKU (November 2020 - Present):	Peer-to-peer web browser with native IPFS support
DOKKOO (October 2020 - Present):	Data-driven Jamstack tool for creating publications, reports, dashboards, etc. Dramatically out-performs competitors such as Jekyll, Gatsby, Eleventy, while scaling similarly

## AWARDS AND CERTIFICATES

JANUARY 2023:	Dean's List (Fall 2023)
AUGUST 2022:	Choose Ohio First Machine Learning Scholarship (\$4,099)
JUNE 2022:	Dean's List (Spring 2022)
APRIL 2022:	Undergraduate Summer Scholarship Program (\$2,600)
FEBRUARY 2022:	Dean's List (Fall 2021)
DECEMBER 2021:	Bertelsmann Technology Scholarship Program
AUGUST 2021:	Choose Ohio First Machine Learning Scholarship (\$3,416)