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, LaTeX
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)

AUGUST 2021 - PRESENT (OXFORD, OH)
Government Relations Intern at MIAMI UNIVERSITY:
Advocating for Miami University and higher education in Washington, DC and the Ohio Statehouse in Columbus, OH. Meeting with Ohio State Senators & Representatives, the Chancellor of the Ohio Department of Higher Education, and legislative aides of US Congresspersons. Priorities include prioritising funding for the Federal Pell Grant Program, Ohio College Opportunity Grant (OCOG), Ohio State Share of Instruction (SSI), and the Choose Ohio First (COF) Scholarship Program

PROJECTS

SUMMER SCHOLARSHIP:	*Analysis of Potential Malicious Strategies toward Bit-Exchange with IPFS* (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)