

Emil Sayahi

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Education

Miami University
Bachelor of Science in Computer Science
Honours: magna cum laude (GPA: 3.81)

Oxford, OH
August 2021 – May 2024

Experience

Protiviti
Technology Consulting Intern
Assisted in a business platform transformation (BPT) project for a client in the automotive industry. Developed SAP BusinessObjects reports and universes in Web Intelligence and Information Design Tool. Wrote Python scripts to create client deliverables.

Boston, MA

May 2024 – August 2024

HCLSoftware
Software Engineer Intern
Worked as a backend & frontend core-team developer on the HCL Accelerate and IBM UrbanCode Velocity products. Developed frontend of a significant customer-facing feature in the final product update within the internship period.

Remote

May 2023 – August 2023

Miami University, Department of Computer Science & Software Engineering
Teaching Assistant
TA for Systems I and Fundamentals of Programming courses at Miami University; course material consists of object-oriented programming, Java, 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.

Oxford, OH

August 2022 – December 2023

Miami University, IT Services
Software Engineer Intern
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. Presented at the 2023 Ohio Higher Education Computing Council (OHECC) Conference at Wright State University on ITSM best practices for institutions of higher education.

Oxford, OH

May 2022 – May 2024

Miami University, University Libraries
Women's Grant Student Assistant
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).

Oxford, OH

March 2022 – May 2022

Miami University, Office of Government Relations
Government Relations Intern
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 Representatives. Priorities include supporting 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.

Oxford, OH

August 2021 – May 2024

Presentations & Projects

Introduction to Quantum Machine Learning
Talk given at the Miami University Physics Department seminar on introductory concepts surrounding quantum computing, machine learning, and the intersection of the two fields.

November 2023

Oku
Recipient of NLnet NGIO Entrust grant, part of the European Commission's Next Generation Internet initiative. Web browser, peer-to-peer protocol, & social bookmarking system.

May 2023 – Present

Automation in IT Service Management
Talk given at the 2023 Ohio Higher Education Computing Council (OHECC) conference detailing strategies to automate ITSM practices in higher education institutions.

May 2023

Analysis of Potential Malicious Strategies toward Bit-Exchange with IPFS
Summer research project investigating methods to disrupt network communication between nodes in a private IPFS network.

April 2022 – August 2022

Awards

Commendation in Undergraduate Research
Dean's List
Choose Ohio First Machine Learning Scholarship
Bertelsmann Technology Scholarship Program

May 2023
Fall 2023, Fall 2022, Spring 2022, Fall 2021
August 2023, August 2022, August 2021
December 2021