

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 NGI0 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