Emil SAYAHI

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PERSONAL

BIRTH:	2 June 2003. Kangasala, Pirkanmaa, Finland
NATIONALITY:	US, Finland, Sweden
LANGUAGES:	English (best language), Farsi (receptive bilingual)

EDUCATION

EXPECTED: MAY 2025

BACHELOR OF SCIENCE in *Computer Science*
Miami University, Oxford
RELATED COURSEWORK: Object-Oriented Programming, Data Abstractions & Structures, Systems, Database Systems
GPA: 3.85/4.00

SKILLS

PROGRAMMING LANGUAGES	Preferred languages are Rust, C#, Java. Medium proficiency in JavaScript, C++, Python
FRAMEWORKS	GTK, .NET
SOFTWARE	Linux, IPFS, Git, Capture One, Slack, TeamDynamix, Office 365, Google Workspace
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 - CURRENT

Teaching Assistant at MIAMI UNIVERSITY, Department of Computer Science

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 - CURRENT

Student Master II - Data Integration at MIAMI UNIVERSITY, IT Services

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

Women's Grant Student Assistant at MIAMI UNIVERSITY, University Libraries

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	*Analysis of Potential Malicious Strategies toward Bit-Exchange with IPFS* (April 2022 - Current)
	Analysis of efficacy in hampering network communication between nodes in a private IPFS network
DEPI (March 2022 - Current)	Terminal-based image viewer with network capabilities & graphics protocol support
ODO (January 2022 - Current)	Codebase automation tool as a lightweight alternative to a build system
LARZ (August 2021 - Current)	Archive tool, library, and format for efficient decompression (UStar & LZ4)
OKU (November 2020 - Current)	Peer-to-peer web browser with native IPFS support
DOKKOO (October 2020 - Current)	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

AUGUST 2022	Choose Ohio First Machine Learning Scholarship ($4,099)
APRIL 2022	Undergraduate Summer Scholarship Program ($2,600)
DECEMBER 2021	Bertelsmann Technology Scholarship Program
AUGUST 2021	Choose Ohio First Machine Learning Scholarship ($3,416)