Emil Sayahi

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PERSONAL

2 June 2003. Kangasala, Pirkanmaa, Finland BIRTH:

US, Finland, Sweden NATIONALITY:

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

Preferred languages are Rust, C#, Java. Medium proficiency in JavaScript, C++, Python PROGRAMMING LANGUAGES

FRAMEWORKS GTK. .NET

SOFTWARE Linux, IPFS, Git, Capture One, Slack, TeamDynamix, Office 365, Google Workspace

Proficient with CI/CD, thorough with testing and drafting reports DEVELOPMENT

Writing detailed & thorough documentation, iterating & collaborating with internal & external teams PERSONAL

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 uni-

versity 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

Analysis of Potential Malicious Strategies toward Bit-Exchange with IPFS (April 2022 - Current) SUMMER SCHOLARSHIP

Analysis of efficacy in hampering network communication between nodes in a private IPFS network

Terminal-based image viewer with network capabilities & graphics protocol support DEPI (March 2022 - Current) Codebase automation tool as a lightweight alternative to a build system ODO (January 2022 - Current)

Archive tool, library, and format for efficient decompression (UStar & LZ4) LARZ (August 2021 - 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

OKU (November 2020 - Current)

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

Choose Ohio First Machine Learning Scholarship (\$3,416) AUGUST 2021