

# Emil SAYAHI

## PERSONAL

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

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)

## EDUCATION

EXPECTED: MAY 2025 | BACHELOR OF SCIENCE in *Computer Science*  
Miami University, Oxford  
RELATED COURSEWORK: Object-Oriented Programming, Data Abstractions & Structures, Systems Programming, Database Systems  
GPA: 3.85/4.00

## PROJECTS

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

## 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