Ilan Farabi

Ann Arbor, MI

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EDUCATION

University of Michigan   **08 2020 – 12 2023**
B.S. – Economics — GPA: 3.4   *Ann Arbor, MI*
Minor – **Computer Science**

COURSEWORK / SKILLS

- Elementary Programming Concepts
- Discrete Mathematics
- Programming and Introductory Data Structures
- Software Engineering
- Data Structures and Algorithms
- Money & Banking
- Intermediate Microeconomic/ Macroeconomic Theory
- Game Theory

INTERNSHIPS

United Wholesale Mortgage ↗   **05 2023 – 08 2023**
IT – Application Development Intern   *Pontiac, MI*

- Directly collaborated with the AVP of Product Development on the backend technological enhancements of microservices and a monolithic solution.
- Developed solutions to technical debt within the UCLOSE application which processes over 20% of mortgages in the pipeline
- **Summer Project:** Built a microservice designed to manage information about user updates in Bitbucket as well as calculate the risk of pull requests

MassMutual Great Lakes ↗   **05 2022 – 12 2022**
Financial Planning & Analyst Intern   *Southfield, MI*

- Compiled a market update 2 times per week that consisted of any policies coming from the Federal Reserve, financial market trends, and various measures of consumer sentiment
- Increased knowledge base on **asset diversification, estate creation/conservation, and insurance attributes**

PROJECTS

Bitbucket API Change Risk Analysis | C#, SQL, Bitbucket, Jira, Visual Studio   **06 2023 – 07 2023**

- Aggregated and stored all user input data in a local SQL database and an internal data mart
- Interacted with the Bitbucket API within our microservice in order to receive accurate and up-to-date information

S&P 500 Algorithmic Trading Program | Python, VS Code, GitHub   **12 2023 - 01 2024**

- Utilizes a shifting stop loss and local maxima identifier to execute trades every ten minutes
- Strategy backtested on over 15 years of market data and **outperforms the S&P 500 regularly by 5-15%**

RELEVANT SKILLS

Languages: Python, C, C++, C#, SQL, R Studio
Developer Tools: Microsoft Power BI, Excel, Visual Studio, VS Code
Technologies/Frameworks: Microsoft, Linux, GitHub, Bitbucket, Jira, Git, .NET

LEADERSHIP/EXTRACURRICULAR

U of M Men's Water Polo ↗ 2022 Big Ten Champs | Nationals 3rd Place   **08 2020 – 05 2024**
Executive Board – Treasurer   *Ann Arbor, MI*

- Manager of all funds entering and exiting the organization's ledger
- Coordinator of all in-state and out-of-state tournaments and official events

Michigan Hackers ↗ & **Michigan Climbing Club** ↗   **11 2021 – 04 2024**
                                                                              Ann Arbor, MI