SAM DEFRANCISCO

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| Objective |

- Third year student seeking Software Engineering internship starting in the summer of 2023

| Education |

Iowa State University   Bachelor of Science
Software Engineering   *Aug. 2020 – May 2024*
  - GPA: 3.16

Johnston High School
Johnston, Iowa   *May 2020*
  - GPA: 3.5

| Personal Projects |

Automated Algo-Trade Bot
Created with Python and SQLite Databases
  - Translated a popular trading strategy known as MACD convergence/divergence into an automated script
  - Used multiple python libraries together to create a final project $yFinance, alpaca\_trade\_api, pandas, datetime$
  - Automatically retrieves and stores data from YahooFinance into a local SQL Database which is then accessed and evaluated with code
  - Wrote and tested own back tests for the implemented strategy, wrote results to text files, optimized script until best results were found

GoSports Full Stack Web App
Python, Django, SQL, HTML, & CSS
  - Gathered live/historical NBA statistics using a python based api found on GitHub (nba_api)
  - Stored statistics within a SQL DB
  - Created relational models utilizing Django from DB tables using foreign and primary keys
  - Used HTML, CSS, & Django Templates, made server side queries to display DB statistics to a web app
  - Effectively Managed code-base with teammates (GitLab/Git src Control)

| Relevant Coursework |

Communication(4.0 GPA): EN150, EN250, Public Speaking
Programming (Java/C)(3.3 GPA): COMS227 OOP, COMS228 Data Structures, COMS319 User Interfaces, CPRE 288 Embedded Systems, COM309 Android Dev, COM363 DBMS

| Work Experience |

Learning Ambassador   Ankeny, IA, part-time
Amazon Logistics   *May 2022 – September 2022*
  - Organized incoming packages and routing for same-day drivers, as well as dispersion of routes to drivers
  - Trained incoming warehouse associates on day-to-day tasks as well as company policies

Child Care Provider   Johnston, IA, part-time
Johnston Community School District   *October 2018 – August 2021*
  - Used interpersonal and communication skills for leading group activities, managing behavior expectations, field trips, as well as conflict resolution

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| Summary of Skills |

Languages: Python, Java, C, sqlite3, mySQL, C#, Verilog, HTML, JS, CSS
Developer Tools: Spyder IDE, Eclipse IDE, Git (GitLab/GitHub), Unity, VS Code, Linux
More Skills: Adobe Photoshop & Illustrator, Overleaf LaTex editor