

# JONATHAN FUHRMAN

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## EDUCATION

**Syracuse University**, College of Engineering and Computer Science

May 2023

**Bachelors**, Computer Science, Minor in Economics

## SKILLS

**Technical:** Excel, PowerPoint, Word, Teams, Wix, Prezi, Shopify, Power BI, Power Query

**Programming Languages:** Java, JavaScript, C++, C#, Haskell, Python, MySQL, CSS, HTML5, Racket, Linux, DAX, PANDAS.

**Udemy Courses:** JavaScript tutorial and course projects; Web Developer Bootcamp; SQL and NoSQL; the data Analyst Course: Complete Data analyst Bootcamp 2022; Data analyst toolbox: Excel, Python, Power BI, Pivot Tables

**LinkedIn Learning:** Power BI, Visualizations, Dashboards and Reports; Power Query, Data Cleaning, and Gathering

**Languages:** English, Spanish, and Hebrew

**Interests:** Development of applications; Swift; API design; Business Analysis; Data analysis; AI; Tennis; Soccer; Golf; Judaism; Cybersecurity

**RELEVANT COURSEWORK:** Systems Analysis and Design; Computing Organizations & Programming Systems; Data Structures; Programming Language: Theory and Practice; Introduction to Discrete Mathematics; Software Specification and Design; System & Networks Programming; Programming Recursion, Data Structures and Data Abstraction; Intro to Machine Learning; Intro to Artificial Intelligence; Design Operating Systems; Access Control, Security & Trust Systems; Software Specification & Design

## ENGINEERING EXPERIENCE

**Corning Incorporated**, Corning, NY

*Financial Data & Reporting Intern*

Summer 2022

- Created dynamic Power BI dashboard report with analysis of budget, previous and current forecasts, and 2021 actuals from seven key metrics for each of the 12 plants of the Corning Display Technologies (CDT) group, with the goal of streamlining analysis of month-to-month costs, resulting in savings of time and money. Incorporated and gathered data from Excel into Power BI; cleaning and organizing data in Power Query; creating and building visualizations and dashboards in Power BI; DAX coding and formulating; variables, measurement and expressions
- Participated in weekly meetings with CDT leadership to discuss the project's progress
- 30+ hours of Power BI/Power Query training through Microsoft manuals and LinkedIn Learning

**Wheelhouse IT**, Fort Lauderdale, FL

*Support Agent Intern*

Summer 2021

- Provided assistance to customers by diagnosing and solving technical issues or re-directing issue to team of expert technicians. Supported end users, collected customer information, adhered to standard procedures and provided solutions to customers through ConnectWise Manage software

**American Homecare Equipment**, Fort Lauderdale, FL

*Supply Chain and Inventory Intern*

Summer 2019

- Streamlined supply chain logistics in warehouse by maintaining accurate inventory of medical equipment and supplies, receiving/ dispatching orders, and communicating inventory of equipment/ supplies

## ENGINEERING APPLICATIONS

**Machine Learning Project:** Pandas, Python 3.0, Jupyter Notebook

November 2022

- Apply knowledge of PANDAS to predict class of data set using 'logistic regression', 'random forest', 'gradient boosting', and 'bagging'
- Utilize critical thinking to tune and modify regressions resulting in better predictions on tests

**Artificial Intelligence Pacman Project:** Python 3.6, Pycharm

November 2022

- This project provides a challenging problem environment that demands creative solutions
- Implement Search-Algorithms & AI fundamental concepts to help AI agent (Pac-Man) avoid 'ghosts' and eat all pellets in least amount of time possible

**Airport Software System:** C#, MySQL, Visual Studio Platform

March 2021

- Designed platform to streamline flight booking using knowledge of MySQL; created back-end database to be used by administration. Administrators and customers to log in; administrators can create flights and input information displayed in passenger's boarding pass; customers can buy seat on flight and receive boarding pass

## LEADERSHIP & ACTIVITIES:

*Spanish Tutor*, Spanish 101, Tutor Match, Syracuse University

*Board Member*, Society of Hispanic Professional Engineering (SHPE), Syracuse University

*Member*, Economics Students Association, Syracuse University

*Member*, Tennis & Soccer Intramural Teams, Syracuse University