

DAVID ASSOULINE

Resume

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🌐 <http://www.davidassouline.com>

EDUCATION.

Bachelor of Computer Science

May 2020 - Present

Gina Cody School of Engineering and Computer Science
Concordia University - Montreal, QC

Bachelor of Commerce, Major in Finance

Sep 2018 - May 2020

John Molson School of Business
Concordia University - Montreal, QC

EXPERIENCE.

Quality Assurance Specialist

Feb 2021 - Present

Equisoft

- Develop, document and maintain clear and concise functional test plans and test cases. Execute and evaluate manual or automated test cases and report test results while ensuring deliverables meet specifications.
- Liaison with development, project management, and customer on quality and project scope and deliverables

Small Business Specialist/Personal Banking Advisor

Nov 2018 - Dec 2020

TD Bank Financial Group - Montreal, QC

- Opening of new accounts, fulfillment of credit applications for various credit products, referrals to private banking and wealth partners, and settlement of estates.
- Engagement of customers in day to day advice needs and digital education related to banking solutions.
- Support of frontline staff with cash and non-cash transactions, including supervisory functions and providing overrides to tellers.

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Vacation Rental Partner

Aug 2018 - Nov 2019

Top Stays Management - Montreal, QC

- Co-founded vacation rental company. Expanded to 15 properties during involvement.
- Personally responsible for software implementation, payment processing, customer relations, OTA relations & optimization, channel manager integration, fraud prevention, property onboarding, revenue management, graphic design, IT, and more.

ACHIEVEMENTS.

Bravo Award | TD Small Business Banking | Punta Cana, DR 2019
Annual award recognizing top 3% of employees in each department

Warrior's Pin | Israel Defense Forces | Jerusalem, IL 2017
Succesfully completed 12 months of rigorous mental and physical training

HARD SKILLS.

Python 3.8	●●●●●●●●●●
SQL (PostgreSQL, SQLite)	●●●●●●●●●●
Java 14	●●●●●●●●●●
Data Science (Python)	●●●●●●●●●●
IntelliJ IDE / Pycharm	●●●●●●●●●●
Algorithmic Trading (Python)	●●●●●●●●●●
Full-Stack Web Development	●●●●●●●●●●
Cybersecurity (Infrastructure)	●●●●●●●●●●
Machine Learning (Python)	●●●●●●●●●●

SOFT SKILLS.

Cognitive Ability	●●●●●●●●●●
Logic	●●●●●●●●●●
Processing Speed	●●●●●●●●●●
Quick Learning	●●●●●●●●●●
Problem Solving	●●●●●●●●●●
Critical Thinking	●●●●●●●●●●
Perseverance	●●●●●●●●●●
Pressure Handling	●●●●●●●●●●
Decision Making	●●●●●●●●●●

LANGUAGES.



English

Native
Written and Spoken



French

Native
Written and Spoken



Hebrew

Proficient
Written and Spoken

INTERESTS.

🚁 Drone Flying

🏍️ Motorcycle Riding

📖 Reading

🏕️ Camping

🔗 Programming

🪂 Parachuting

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Programming Projects.

ARIMA Model Predicts Future Price of Air Canada Stock

<https://github.com/david-assouline/ARIMA-Time-Series-Forecasting>

Used auto regressive integrated moving average (ARIMA) model to analyze a time series of historic Air Canada lags and lagged forecast errors to predict future stock price values in python. Stock data sourced from Yahoo Finance.

A.I. Learns to play (and defeat) "Flappy Bird"

<https://github.com/david-assouline/Flappy-Bird-AI>

Using neuroevolution of augmenting topologies, trained a bot to play a recreated version of Flappy Bird game. Developed both the game environment and the AI in python.

Sudoku Solver

<https://github.com/david-assouline/personal-projects/blob/master/Sudoku%20Solver.py>

Wrote a program that takes in any sudoku board through console input, checks its validity and returns a solved board in under 100 milliseconds using recursion and backtracking in python.

Pairs Trading Algorithm

<https://github.com/david-assouline/personal-projects/blob/master/TD-RY-PAIRS-TRADING>

Using the Quantopian platform, wrote and backtested a trading algorithm that tracks 2 highly correlated financial securities and automatically goes long or short when a certain z-score difference is reached. Returned 44% over a 5 year span compared to the S&P 500 benchmark of 41.3%.