

## SUMMARY

Results-driven Computer Science graduate specializing in advanced backend development technologies. Developed custom neural network architectures using PyTorch and NumPy, achieving exceptional 98% accuracy on test datasets. Demonstrated proficiency in full-stack development with React, Node.js, and MongoDB, optimizing performance to efficiently handle large-scale data sets—successfully managing and displaying up to hundreds of recipes in a single application deployed via AWS Amplify and Amplify Beanstalk.

Excelled in collaborative environments, leveraging Git for version control and teamwork across neural network projects. Augmented technical expertise through coursework in deep learning and system design, refining problem-solving abilities and innovative thinking.

Seeking to bring a unique blend of hands-on experience and academic rigor to development team. Passionate about leveraging emerging technologies to drive scalable and impactful solutions in distributed systems and cloud environments.

## MILITARY SERVICE

SEARCH AND RESCUE DEPARTMENT

MARCH 2015 – MARCH 2018

## EDUCATION

BEN- GURION UNIVERSITY OF THE NEGEV

OCT 2021 – OCT 2024

- B.S in Computer Science.
- Graduate Coursework: Principles of Programming Languages 95, Deep Learning 90; Algorithms 89; Systems Programming 87.

BEN- GURION UNIVERSITY OF THE NEGEV

OCT 2020 – AUG 2021

- Engineering Preparatory
- Graduate Coursework: Physics, Math

## TECHNICAL EXPERIENCE

### PROJECTS

- **Neural Network Project** Developed a neural network project from scratch in Python, implementing gradient tests and Jacobian tests to verify accuracy. Engineered derivatives independently and utilized classes for layer construction, including ResNet and standard neural network layers. Python.
- **LSTM AE.** Developed an LSTM Autoencoder to reconstruct and predict S&P500 stock prices, utilizing cross-validation for training, evaluating performance across multiple stocks, and comparing one-step and multi-step prediction results. Python
- **Set Game.** Implementation of the popular card game "Set" using concurrency programming. C++, JAVA

## ADDITIONAL EXPERIENCE

- **Reichman University Hackathon:** Led a talented team of four individuals in conceptualizing and developing an innovative Slack mockup integrated with a personalized assistance feature at a hackathon.

## LANGUAGES AND TECHNOLOGIES

- C++; C; Java; Python; SQL; TypeScript; JavaScript; Prolog.
- Visual Studio; Microsoft SQL Server; Eclipse; XCode; Interface Builder, Mongo Db, AWS (Amplify Beanstalk).