DAVID SEGAL

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LinkedIn
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EDUCATION

B.Sc.
Computer Science & Mathematics
Ariel University
2019 – 2022

SKILLS

- Python (NumPy, Pandas, Scikit-learn, PyTorch, OpenCV, Matplotlib)
- Java
- C / C++
- Algorithms
- OPP / OOD
- SQL and NoSQL
- Git and GitHub
- Data Analysis
- Linux

LANGUAGES

- Hebrew - Native Language
- English - Fluent
- Russian - Basic

SUMMARY

B.Sc. in Computer Science and Mathematics with GPA of 89, Passionate about writing code, learning new technologies and using them to solve real-world problems. Driven and team-oriented, I shine in both collaborative and solo capacities, always aiming for team success. Creative thinker and a self-learner who can work under pressure.

WORK EXPERIENCE

Automation Developer
Gk8
March 2023 - present

- Developing and maintaining automated tests for a crypto wallet, utilizing python and selenium.
- Played a key role in designing and establishing the foundational automation infrastructure.
- Collaborated efforts with development teams, focusing on continuous improvement and innovation across multiple projects.
- Enhanced and refined existing automation scripts.

Full-Stack Developer
Eneltec
November 2022 – March 2023

- Developed front-end and back-end applications using React and Node.js.
- Delivered clean and efficient code, ensuring optimal application performance.

Data Scientist Intern
Newton Tech
February 2022 - June 2022

- Developed machine learning models, including Random Forest and SVM, using Python and Scikit-learn.
- Utilized NumPy for effective data augmentation, enhancing model accuracy.
- Writing Python scripts for efficient data collection, cleaning, and preparation, ensuring a robust foundation for model training.

PROJECTS

Ancient Roman Coin Classifiers

- Developed a deep learning model capable of distinguishing among nine Roman emperors depicted on ancient coins, accounting for varied coin conditions and shapes.
- Explored and implemented multiple machine learning and deep learning algorithms using diverse Python libraries.
- Designed a user-friendly web application for the classification process.
- Contributed to the archaeological community by automating aspects of classifying both newly unearthed and existing Roman coins.

Fetal Health Classifier

- Developed a system to classify fetal health based on CTG reports.
- Conducted in-depth data analysis and visualized key health determinants using Matplotlib and Pandas.
- Evaluated and implemented various machine learning algorithms with Scikit-learn to optimize classification accuracy.

ML Algorithms Implementation

- Successfully implemented a range of machine learning and deep learning algorithms, techniques, and architectures such as CNN, ANN, Backpropagation, AdaBoost and KNN.