

# BRACHA HEIMOWITZ

## COMPUTER PROGRAMMER

### CONTACT

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### PROFILE

I'm a passionate and creative computer programmer who loves to learn and possesses hands-on experience in various programming areas. I work well as part of a team or independently.

### LINKS

Final Project Website:

<https://github.com/hoandbh>

AI Image Classifier:

<https://github.com/Yocheved2016/AMATproject>

Web API Website:

<https://github.com/Et-Wa/WebApiWebsite>

### LANGUAGES

English

Hebrew

Both mother tongue level

### EXPERIENCE

#### AI and Data Engineering Bootcamp | Applied Materials

2023

- Collaborated to design and train an image-classification model, based on CIFAR10, CIFAR100 datasets.
- Accuracy of model reached 0.93.
- Integrated model into dash GUI.
- Used advanced tools and technologies; Spark, docker, WSL and more.

#### Academic support for undergraduates | Merkaz Beit Yaakov

2023

- Web API
- HTML, CSS

### EDUCATION

#### Software Engineering certificate | Ministry of Technology Engineering Kama Tech Extra Code AI certification

2021 - 2023

- WEB: React.js, Web API, NodeJS, HTML/CSS, JavaScript
- DATABASES: SQL, MongoDB, MySQL
- PROGRAMMING LANGUAGES: Java, C#, Python, C, C++
- AI: Computer Vision, machine learning, deep learning.
- BACKGROUND COURSES: Cloud computing, Unix, operating systems, design patterns, system analysis, networking.
- Algorithms, data structures and graphs.
- Frameworks: Spring, ASP.NET core

#### Final Project:

Created a website from planning to deployment. We built a website for teachers to create multiple choice questionnaires and then mix the answers and questions in order to create different versions for each student. The program keeps answer keys for each test in order to enable grading.

Languages: NodeJS for back-end, React for front-end, MySQL for DB.

#### Cybersecurity course | Tzomet Cyberwise

2021

- Topics included networking, information security, ethical hacking and more.
- Final project: research and presentation about SQL injection.