

# Rachel Stone

## Software developer

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- Highly motivated computer science graduate skilled at deep thinking with extensive insight, has ability to persevere and self-study, taking responsibility.
- Has knowledge and experience in software engineering, networking and internet protocols, ML algorithms and embedded systems. Strong in math.

### Professional Knowledge

**Programming languages:** C, C++, Java, Python (including Django, PyGame, OpenCV, Sklearn Socket and others), F#, C#, Assembly, VHDL, HTML, CSS, JS, UML, Prolog, SQL,

**Development environments:** Git, VS, VScode, PyCharm, Eclipse, Rhapsody, sqldeveloper

**Operating Systems:** Windows, Linux

**Hardware:** Atmel8051, Arduino, Mips, intel80X86

### Education

2021 | **B.Sc in Computer Science, Lev Academic Center (JCT), Ramat Gan** | GA: 86

2017 | **Diploma in Electronic Engineering, Ofek Seminar, Jerusalem** | GA: 92

### Projects

- **Store app** – Created a website according to MVT (model view template), using Django, Python. The site includes user authentication, daily invitations, cart edit – [deployed](#).
- **Bank Account app** – implemented a bank account with users, loans, transfers, balance, logout timer and INTL localize, used javascript.
- **Hackathon** – created a program that processes a single flat image from a video of eyefish, for holes detection in a pipe Used OpenCV, Python.
- **Compiler** – compiler implementation of the hack machine, translation of high level language(Jack) to intermediate VM code and then to assembly, used F# (grade: 100).
- **Database Management** – Design & implementation of a database for human resource with daily procedures. Used PL/SQL and OracleXE server (grade: 97).
- **3D Image Renderer** – created objects scene in space and computed light effects according to phong's model and linear algebra laws, with acceleration methods, used Java. (grade: 91).
- **Electromagnet Hovering System** - final project in the diploma, control of an electromagnet's inductance in order to hold a magnet in the air. Used C and Arduino board (grade: 92).

### Work Experience

2017 | Special Education Kindergarten Teacher, Ezer Metzion, Ramat Gan

### Languages

**Hebrew, English:** Reading, Writing, Speaking