

# Rachel stone

Software engineer / development

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[linkedin](#) | [stackoverflow](#) | [github](#)

## Profile

A computer science student.

Experienced at software engineer and algorithms development in Java Python C C# C++ languages. Also familiar with electronics & hardware architecture and microcontroller programming.

I like to learn new things, I'm responsible, motivated and creative.

## Education

2015 – present

**B.Sc computer science, Lev Academic Center (JCT), Ramat gan**  
GA:83

2015 – 2017

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

## Courses:

**Operating systems** – optimization algorithms to computer hardware | **Data structures** – algorithms for stacks, queue, heaps, trees, graphs, with c++ | **Software engineer** - SDLC & methodologies | **Software design** – OOP & design patterns | **Functional & logic programming** – with python & prolog | **Computer networking** – OSI model & protocols | **Computer architecture** – the Mips processor & Assembly | **Embedded system design** – ECSAM dev. Of machine & arduino | **Analog & digital electronic** – physics laws and circuits understanding | **Electronic projects lab.** – build circuits & C programmig with Atmel8051 microcontroler | **Lenear algebra** | **Discrete math** | **Logic Math** | **infinity math** | **Differential equations** | **statistics & Probability** |

## Skills

**Programming languages:** #C | C++ | Java | Python | Arduino | VHDL | Assembly | HTML | CSS | UML | Prolog

**Environments:** Microsoft office | Django | Visual studio | Pycarm | Eclipse | Github | Rhapsody | Atmel8051 | Mips

**languages:** Hebrew, English

## Projects

- **3D image renderer according to phong's model**  
learned software Engineer principles using java, eclipse, github and lenear algebra formulas to compute the pixel's colors of the image according to the lights and the material of the geometries.
- **Electromagnet hovering system**  
to advertise, using the Arduino board, electromagnet and infrared led as location sensor to identify the place of the magnet and control it by the electromagnet.

## Work Experience

2019

Teacher in kindergarten, Shirat hatorah, petah tikva.

2017

Teacher in kindergarten of Special education , Ezer metzion organization, Ramat gan.