

Reuven Eitan

1979 • Giv'At Shmuel • reuven.eitan@gmail.com • 054-4314325

I hold a PhD in chemical physics in the field of quantum control from Weizmann Institute of Science. In my latest position, I served as the R&D and IP manager of an Israeli start-up. My studies and work experience have given me tools from computational and theoretical chemistry through enzymatic and biological processes combined with knowledge of algorithm development and machine learning. My experience enables me to face and successfully tackle complicated problems in a wide variety of fields.

Professional Experience

2017-2021

R&D and IP manager

SGTech

SGTech is an Israeli start-up specializing in developing new innovative biological technologies to utilize farm waste as a source of renewable energy. Their conventional technology produces positional environmental hazardous by-products. The goal of the company is to use advanced data, biological and engineering tools for integration of a complementary biological process for treating the hazardous by-products. The company has developed a unique algorithm based technology for enhancing the energy production together with reducing the environmental hazardous.

In my work there I led:

- The company R&D programs
- The algorithm development
- A data science project
- The company IP
- Meetings with potential investors and clients
- Grant submissions

2016-2017

Data Scientist

Optimata

Optimata is an Israeli start-up developing machine learning based models to predict cancer therapy success based on a patient blood test.

In this work I have coded:

- Biological based algorithm for modelling cancer behavior under therapy
- Machine learning based algorithms for prediction of treatment success based on patient's blood values

2013-2016

Postdoctoral Researcher

Bar-Ilan University

I was a postdoctoral fellow in Prof. Dan Major's group at Bar-Ilan university. I studied and developed an advanced computational tool for modelling enzymatic reactions and implementing them in an algorithm code.

2011-2013

Postdoctoral Researcher

Weizmann Institute of Science

Quantum control for several of quantum systems. Implementing the quantum control methods I have developed in my PhD

Education

2007-2011

Ph.D. Chemical Physics

Weizmann Institute of Science

Quantum control theory: Studied quantum systems and developed four new methods for controlling them. The work included algorithms coding of these new methods.

2005-2007

M.Sc. Chemical Physics

Weizmann Institute of Science

Quantum control theory

2001-2005

B.Sc Chemistry of Materials

Bar-Ilan University

Completed with distinction, average grade: 95.

Military Service

2001-2004

חיל רבנות צבאית.

Languages

Hebrew - Native

English - Good

Skills

Problem Solving

Handling Pressure

R

Data Analytics

Leadership

Algorithm Development

Matlab