Ben Akiva

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Work experience

Yenon Engineering - Research & Design – Python developer

December 2019 – PRESENT

- Developing in python and visual basic
- Leading the development of a system for calculating the level of services in traffic junctions.

GL Urban Systems Planning & Management Ltd - Transportation planning, data engineer

October 2018 – December 2019

- Data modeling in visual basic.
- Sole developer of transportation data management tool - *Developed using Excel macros.*
- Simulation development for future transportation projects.

Transportation Research Institute – Data analysis

January 2018 – July 2018

- Analyzing transportation data and creating reports.

Open-source contribution

GNOME open-source desktop environment for Unix-like operating systems

Contributing to the Json library in Gjs.

April 2021 – PRESENT

Education

Technion - Israel Institute of Technology, Haifa - B.Sc. in Transportation Engineering

Oct 2016 – Feb 2021

Military service

Israeli Military Intelligence - Unit 81

2010 - 2014

Projects

JUNC – Visualizing junctions' level of service with python-pptx

January 2020 – PRESENT

JUNC calculates the level of service of a junction and produces a visual output that replaces an old manual method. JUNC is being used in every project across the traffic department in Yenon Engineering.

Shortest Path - **Python Program for Dijkstra's shortest path algorithm**

July 2020

Designed with an interactive UI for loading data and choosing the start and end points manually.

Instagram tagger for tagging competitions

May 2020

A simple bot for tagging a list of users on an Instagram post using BlueStacks.

Hangman with Jake

March 2020

The classic game "Hangman" followed by Jake – a virtual guide for the game.

Skills

Programming languages

Python, JavaScript, C, Visual Basic

Graphic Design

Certifications

Certificate of excellence, Israeli Military Intelligence,
2014

Certificate of excellence, Israeli Military Intelligence, Unit 81
2013

Certificate of excellence, Unit department, Israeli Military Intelligence, Unit 81
2012