



CHALLENGE REVEAL



URBAN MOBILITY



בית"ס למדעי המחשב ע"ש בלוטניק
הפקולטה למדעים מדויקים
ע"ש ריימונד וברנר סאקור
אוניברסיטת תל אביב





TAU CS CLUB

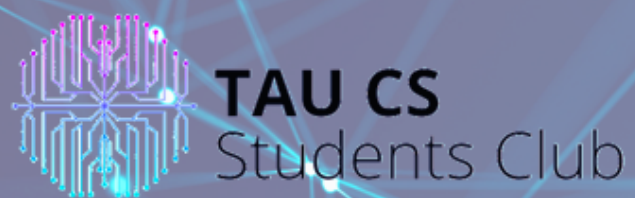
Students for students, voluntary initiative

Over 1400 CS students

Introducing students to the hi-tech industry

Lectures, workshops, collaborations with startups
and tech companies

Bringing the latest tech topics to students from industry experts



Club Members

Keren Fidelman



Nir Hamou



Jonathan Makovsky



Sofia Panchenko



Or Erez

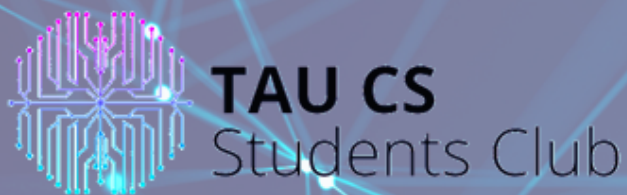


Yotam Shekrel



Shira Pasternak





HACK CS 2023

Smart City - Urban Mobility

This year we brought a real day to day challenge

Incorporating our skills & knowledge

Build meaningful solutions

Make a real impact



CityZone



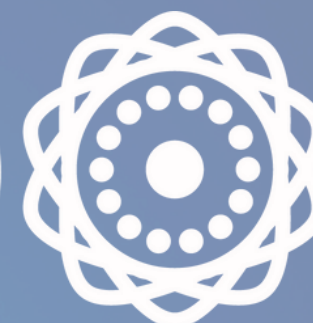
Sigma Labs
accelerator



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Students Club

Partners

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 mobileye™  GENESYS™



AT&T

Israel R&D Center



Entrepreneurship Center
Tel Aviv University



רוצים אותך יותר

 NetApp

 Lightricks



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Expectations from Participants

Developing an innovative software-based solution to
enhance urban life

Software POC and product presentation

No specific degree required as long as you meet the
requirements



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NO EXPERIENCE NEEDED!

We'll provide all the help you need

Technical and professional mentors

Workshops

Raw data will be given at the hackathon

Q&A session with leading people in the field





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The Challenge



First mile/ Last mile

Sustainable mobility

Two-wheeler thefts

Community in Mobility

City under construction

Logistic Transportation



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First mile/ Last mile

- Planning a point-to-point journey

Considering personal preferences while integrating public transport with ride and vehicle sharing

Providing high walkability paths as an alternative to gas/electric vehicles

- MaaS – mobility as a service



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Two-wheeler thefts

As a two-wheeled vehicle owner you're always worried

Where you can leave your wheels

Will they be there when you come back

The phenomenon of stealing electric tools is rapidly growing



TAU C
Students Clu

City under construction

Mobility is heavily affected by roadblocks caused by Light rail lines construction sites and addition of bike lanes

How many times have you stumbled upon a blocked street with nowhere to go?

Took a bus where the driver skipped stops because his lane wasn't updated?



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Sustainable-mobility

Encompassing physical activities such as walking and cycling, with all their associated health benefits

Motivating people to lead sustainable lifestyles

Finding effective solutions, raising awareness while balancing between citizen participation and privacy concerns

Measuring the impact of transportation on the environment



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Communal & Collaborative Mobility

Public transit serving as a meeting place for people, fostering social bonds while promoting sustainability

Connecting individuals during rides while taking under consideration security, and convenience

Shared private vehicles aim to optimize resource utilization, address parking challenges and reduce congestion



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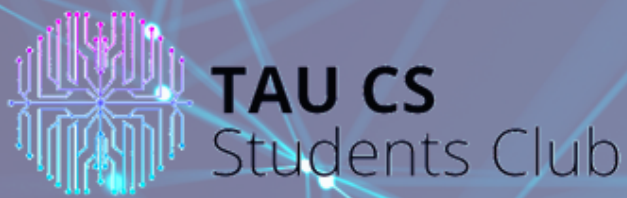
Logistic Transportation

Logistic transportation creates congestion and pollution in cities worldwide

This problem can be addressed in two ways

Adapting small logistic vehicles

Optimizing existing transportation by managing docking areas and sharing cargo vehicles



Workshops

Tech & Dev

Fullstack

 NetApp

Mobile

 GENESYS™

Prompt Engineering CC

 AT&T Israel R&D Center

Entrepreneurship

Idea to App Store

 Lightricks

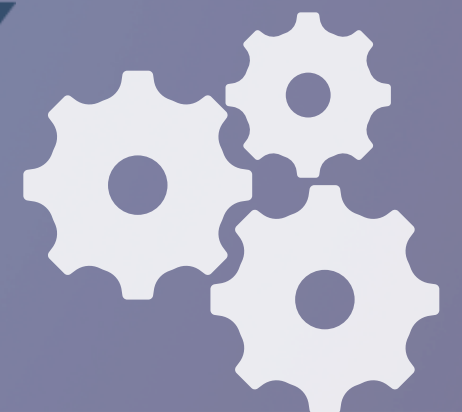
Busting Myths

 mobileye™

Pitch Workshop

 Signalabs
accelerator

NOW



What's next

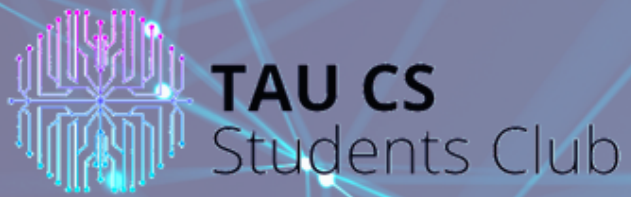
31.5-2.6 - One-on-One session with each group
to assess their capabilities and commitment

5.6, 17:00 - Q&A with a professional

8.6, 08:30 - HACK CS

The Neiman Library of Exact Sciences & Engineering





Help Needed

We are looking for helpers!

If any of your friends did not sign up to participate but are interested in taking part of the best event of the year, please send them the link

***JOIN THE
TEAM***





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