



# Tunahan Tutar

Izmir, TURKIYE



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## Education

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<b>Izmir Institute of Technology / B.S.E.</b>	August 2020 – Present, Izmir, Turkey
Chemical Engineering Undergraduate Program (English)	
<b>Slovak University of Technology</b>	2024, Bratislava, Slovakia
<i>ERASMUS Curriculum - Spring Semester</i>	
Chemical Engineering Undergraduate Program	
<b>Halil Kale Science High School</b>	2015 – 2019, Manisa, Turkey
Science & Math	

## Professional Experiences

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**Yuksel Research Group / Volunteer Undergraduate Student**      October 2024 – Present  
Volunteered in Prof. Dr. Aslı Yüksel Özşen's laboratory, contributing to research on bio-hydrogen production using organic waste derived from the thermochemical conversion of Turkish pine.

**AkzoNobel Kemipol / R&D Project Intern**      October 2024 – January 2025  
Investigation of the UV Transmittance of Paint Coatings in the 180-400 nm Wavelength Range

**IESC IZTECH (International Exchange Student Club)**      September 2024 – Present  
**/ Member of the Management Board**  
Playing a key role in managing initiatives to enhance the exchange experience and cultural integration of international students.

**PAY Youth Association / PAY Youth Assembly Coordinator**      June 2023 – October 2024  
Facilitated project coordination and management to enhance youth engagement in decision-making processes and promote sustainable development initiatives.

**SunChemical / Production Intern**      July 2023 – August 2023  
Intern and presenter responsible for the development of the project "Optimization studies on loading ADHS702 resin with the use of a new pump type" to further optimize production.  
Development of lean manufacturing techniques.

**IZTECH MUN Society / Organization Team Member**      February 2022 – May 2022  
Supporting the organization of MUN events aimed at developing participants' negotiation and public speaking abilities

## Projects

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<b>ERASMUS+ Youth Exchange Project – Madrid/Spain</b> Ecology, Biodiversity and Land in the Nature	2024
<b>CHE 311 – Heat and Mass Transfer Project</b> Design of a Steam Superheater in a Nitric Acid Production Plant	2023 – 2024
<b>ERASMUS+ (KA152-YOU) Project – Saint Georges d’Oléron/France</b> Youth 4 Green Earth	2023
<b>CHE 222 – Fluid Mechanics Project</b> Complete Pipe Layout Design of Green Hydrogen Production from Liquid Ammonia	2023
<b>ERASMUS+ (KA153-YOU) Project – Berlin/Germany</b> Empowering Our Communities	2023
<b>CHE 101 – Introduction to Chemical Engineering Project</b> Graphene Containing Hydrogels on Drug Delivery Systems	2021 - 2022

## Technical Skills

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- **MS Office** – Beginner and intermediate level graphic design, histogram design, mathematical calculations, and modeling
- **MATLAB R022a Simulink** – Ability to create Skogestad and closed-loop feedback simulations with Simulink for process control

## Languages

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- **Turkish** – Native or bilingual proficiency
- **English** – Full professional proficiency
- **German** – Beginner
- **Japanese** – Beginner

## Certificates

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**YouthPass Certificates (x3)** / 2023-2024  
European Union

**MATLAB** / 2021  
IZTECH Chemical Engineering Society

**Extrapreneur** / 2021  
IZTECH Entrepreneurship Community

**Mega Trends Training in the World of Innovation** / 2021  
IZTECH Innovation Community

**Wie Are the Future** / 2020  
Istanbul Technical University IEEE Student Society