

Kaya Denizci Aruh

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EDUCATION

Senior (12th Grade) | [Isikkent Anatolian High School](#)

Izmir, Turkey

Sep 2020 – Ongoing

Anticipated Graduation Date: June 2025

- Follow the Science-Math Concentration of the Turkish Ministry of Education curriculum
- Distinctions:** Honor Certificates for Grades 9, 10 and 11



EXPERIENCE

Intern | [Denizciler Iron Foundry](#)

Izmir, Turkey

Jul 2024

- Completed four weeks of part-time internship during school break to learn about quality assurance certifications such as several certifications from the [Turkish Standards Institution](#) on ductile and gray cast iron and pattern production, and international certifications from institutions such as TÜV (Technical Inspection Association) and [KOMO](#)
- Learned what each certificate refers to and why having these certificates is required

Intern | [Denizciler Iron Foundry](#)

Izmir, Turkey

Feb 2024

- Toured the factory with guides to observe the processes of how several machines are designed, how their materials are chosen, purchased and ordered and how they are later assembled at the factory before being finished and shipped to buyers
- Learned about the 3D design software tools that are used to design parts of machines

Intern | [Andywawa Newborn Outfits](#)

Izmir, Turkey

Jul 2023

- Observed the distribution hub of the factory and helped tag and organize shipments



ACADEMIC ENRICHMENT

Algorithm Private Tutoring

Jan 2024 – Ongoing

- Take an extracurricular algorithm course on programming with C and machine learning with Python from a university professor

[Introduction to Quality Management](#)

Summer of 2024

- Learned about fundamental quality management concepts and the different advantages and disadvantages of several quality management systems to figure out how to implement them according to context and need

School Projects: Transportation Alternative Designs

2022 – 2023

- Designed and made a makeshift model of an ambulance with suspension extensions to alternatively drive above and around cars in traffic to shorten traffic time in emergencies, presented it in 2023
- Conceptualized a garbage truck that would recycle trash during pick-up to self-sustain with a special filtered chimney to make sure the smoke from the operation does not dirty the air; made a makeshift model and investigated whether this type of technology is possible, found a potential factory that can make it and presented the model and the findings in 2022

Mathematics Exam Tournaments

2022

- [Caribou Mathematics Contest](#): Ranked in the top 100 among around 3000 participants in 2022
- [Mathletics](#): Earned bronze certificate in 2022
- [University of Waterloo Centre for Education in Mathematics and Computing](#): Wrote for the [Pascal Contest in 2022](#)
- [Urfodu International Basic Sciences Knowledge Contest: Mathematics Division](#)



SPORTS

Basketball

2018 – 2021

- Played for Ege Assist basketball junior team and won Izmir regionals third place

Swimming

2018 – 2021

- Won several swimming medals and won 10th place at Aquathlon (involving swimming and running)



SKILLS AND HOBBIES

- **Languages:** Turkish (Native), English (Intermediate), Spanish (Beginner)
- **Technical:** C, Python
- **Hobbies:** Surfing