

# Burak Dikbas

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## EDUCATION

**University of California, San Diego (UCSD)**, La Jolla, CA

June 2026

*Bachelor of Computer Engineering GPA: 3.2*

**San Marcos High School (SMHS)**, San Marcos, CA

June 2022

*High School Education, graduated with Honors; Cumulative GPA: 4.4*

## PROJECTS

**Belt Aid**, UCSD, La Jolla, CA

September 2022 – December 2022

*Summary: Created a belt for those who are visually impaired to help them navigate their surroundings so that they don't get into any trouble with Python and a Mini Arduino.*

- Ensure the mold around the Arduino and sensors is secure.
- Program the system to beep when it comes close to an obstacle.
- I enhanced my skills with Python and 3D Printing.

## COMPLETED COURSEWORK

Basic Data Structures	Discrete Math	Analog Design
Calculus	Chemistry	Linear Algebra
Differential Equations	Mechanics	Biology
Electricity & Magnetism	Circuits &	Advanced-Data Structures
Modern Culture	Systems	Design & Analysis of Algorithms

## ONGOING COURSEWORK

Language (Arabic)	Probability & Statistics	Computation in Digital World	Topics in Theatre & Film
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## COMPETENCIES

### Communication & Interpersonal

- Communicate effectively with classmates and group members to fulfill their needs and goals.
- Collaborating with classmates on various group projects.
- Delivering presentations in serious settings.

### Management & Organization

- Make sure to be aware of standards and procedures for projects.
- Doing an excellent job completing tasks promptly with no procrastination.

### Research and Analytical

- Writing a concise and effective paper in a university setting.
- Able to use multiple different sources to gather information.

### Leadership

- Able to make timely decisions while keeping potential risks in mind.
- Being able to motivate others to reach goals.
- Able to envision the big picture and align it with long-term objectives.

## SKILLS

**Technical:** Java (Excellent), C/C++ (Excellent), Python (Excellent), MATLAB (intermediate), NumPy (Hands-On)

**Software:** Microsoft Office Suite, Matlab, Visual Studio Code, Fusion 360, Adobe Creative Cloud

**Languages:** English (native), Spanish (intermediate), Turkish (intermediate), Arabic (intermediate)

## HONORS & INTERESTS

**Honors:**

- Honor Roll

June 2022

- AP Scholars Award
- **Interests:** Problem-Solving, Coding, Leetcode, Graphic Design, Basketball, Photography