

---

# Maxwell Rosen

## Undergraduate | UC San Diego

Southern California

[m2rosen@ucsd.edu](mailto:m2rosen@ucsd.edu) | <http://www.linkedin.com/in/maxwell-rosen-242777299>

### Education

#### University of California, San Diego, CA - *Bachelor of Science*

September 2024 - June 2028

- Chemical Engineering Major | Business Economics Minor
- GPA: 3.98
- Relevant Coursework: Thermodynamics, Material and Energy Balances, Organic Chemistry, Organizational Leadership

### Experience

#### Salk Institute Intern - *Lab Intern*

Salk Institute, Ecker Lab • September 2025 - Present

- Design and deploy 4 Raspberry Pi-based high-throughput imaging systems running scalable Python scripts to monitor plant growth across 200+ samples under variable environmental stress
- Collaborate with a cross-functional team of 4 to troubleshoot and solve hardware-software integration challenges while fulfilling time-sensitive project parameters

#### Camper Care Associate - *MESSH Support, Inclusion/General Counselor*

Shalom Institute • Summer 2023 - Present

- Head Counselor for 10+ campers per cabin while supporting Mental, Emotional, Social, and Spiritual Health (MESSH) for 5 campers with special needs
- Formulate and lead 20 programs per summer to promote values like building community, repairing the earth, and role modeling

#### Utility - *Lighting*

Showpro, Freelance • September 2025 - Present

- Execute live event production through fixture placement, cable routing, dimmer/DMX setup, and power distribution to meet show specifications and ensure efficient run-of-show operations

#### Triton Engineering Student Council - *Operations Committee*

UC San Diego • March 2025 - June 2025

- Organized professional development and networking events for engineering students
- Strengthened project coordination, communication, and logistical planning

### Skills

- Python, Raspberry Pi, [Github](https://github.com), MATLAB, CAD Autodesk Fusion, Microsoft Excel