

# Giovanni Stagnaro

[linkedin.com/in/giovanni-stagnaro](https://www.linkedin.com/in/giovanni-stagnaro) • [giovannistagnaro.github.io](https://giovannistagnaro.github.io)

## Education

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### University of California, San Diego

Bachelor of Science in Mathematics - Computer Science

GPA: 3.9

Relevant coursework: Advanced Data Structures, Software Engineering, Programming Languages, The Art of Product Engineering

La Jolla, CA

Class of 2024

### John C. Kimball High School

Valedictorian

Varsity tennis team captain

Tracy, CA

Class of 2020

## Experience

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### Process Improvement Specialist

Amazon

- Built a multi-tool Electron + React + Node.js + TypeScript desktop application with automated data pipelines, background schedulers, dashboards, and persistent JSON settings to streamline and modernize internal workflows for over 250 users.
- Implemented automated data extraction and CSV processing pipelines (Arquero), data visualizations (Recharts), and time-zone-aware utilities (Luxon), delivering a faster and more reliable user experience.
- Collaborated with cross-functional teams to make data-driven decisions to optimize roles and tasks in the Outbound Sortable department.

Tempe, AZ

Sep 2024 - Present

### Supplemental Instruction Leader (SIL) and SIL Team Lead

University of California, San Diego (UCSD)

- Led peer instruction for courses ranging from College Algebra to Calculus II, strengthening student comprehension through structured problem-solving sessions.
- Trained and evaluated new SI Leaders, providing performance reviews and supporting team-wide instructional quality.

La Jolla, CA

Sep 2021- Jun 2024

### Resident Assistant (RA) and RA Team Lead

University of California, San Diego (UCSD)

- Supervised and mentored ~50 residents annually, resolving conflicts, enforcing policies, and supporting student well-being.
- Planned community events, staffed help desk operations, and reviewed other RAs as part of leadership responsibilities.

La Jolla, CA

Aug 2022 - Jun 2024

## University Projects

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### Sticky Pix

2024

- Designed and built a consumer-focused e-ink IoT device using ESP32 (C++/PlatformIO), JavaScript utilities, Autodesk modeling, 3D printing, and soldering.
- Led hardware + software integration and end-to-end prototype development.

### SayIt! Assistant

- Built a desktop application enabling voice-driven ChatGPT queries using Java and OpenAI APIs (Whisper + ChatGPT).
- Served as lead designer and primary developer for application architecture and UI workflow.

2023