

Giovanni Stagnaro

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Education

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

Process Improvement Specialist

Amazon

Tempe, AZ

Sep 2024 - Present

- 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.

Supplemental Instruction Leader (SIL) and SIL Team Lead

University of California, San Diego (UCSD)

La Jolla, CA

Sep 2021- Jun 2024

- 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.

Resident Assistant (RA) and RA Team Lead

University of California, San Diego (UCSD)

La Jolla, CA

Aug 2022 - Jun 2024

- 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.

University Projects

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