

Julianne Nicole Legados

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EDUCATION

California Polytechnic State University

San Luis Obispo, CA


Bachelor of Science in Computer Science — Expected Jun 2026

- **Relevant Coursework:** Operating Systems, Networked & Distributed Computing, Data Structures, Systems Programming, Algorithms, Computer Organization, Database Systems, Web Development

EXPERIENCE

SLomotion

Apr 2025 – Jun 2025

Backend Developer — FastAPI, PostgreSQL, Docker, Alembic, Render — 


San Luis Obispo, CA

- Developed and deployed a movie-tracking analytics dashboard using **FastAPI** and **PostgreSQL**.
- Containerized the app with **Docker** and automated schema migrations using **Alembic**.
- Deployed backend services to **Render** and documented REST API endpoints with Swagger.
- Optimized database queries and data models to improve scalability and response time.

PROJECTS

SLOutions

Sep 2024 – Jun 2025


Full-Stack Developer — React, Node.js, Express.js, MongoDB — 

San Luis Obispo, CA

- Developed a full-stack survey platform using **React**, **Bootstrap**, and **MongoDB** for data visualization and analytics.
- Designed and implemented database schemas, queries, and backend APIs for dynamic survey storage and response tracking.
- Collaborated in **Agile** sprints focusing on UI functionality, performance testing, and user feedback iteration.

DishMingle

Jan 2025 – Mar 2025

UI/UX Designer — Figma, Wix Studio, Canva — 

San Luis Obispo, CA

- Designed and prototyped a recipe discovery app using **Figma** and **Wix**, integrating swipe-based meal browsing.
- Conducted market research and user interviews to identify target audiences and improve usability.

Sound-Reactive LED Lantern

Oct 2022 – Dec 2022


Developer — CircuitPython, Adafruit Circuit Playground Express, Mu IDE

San Luis Obispo, CA

- Designed a microcontroller-based lantern that dynamically changes LED color patterns based on ambient sound levels.
- Programmed Adafruit Circuit Playground Express using **CircuitPython** to process microphone input and control RGB outputs.

Personal Portfolio Website

Jan 2025 – Present


Frontend Developer — GitHub Pages, HTML, CSS — 

San Luis Obispo, CA

- Designed and developed a **personal portfolio website** to showcase projects, skills, and coursework in an interactive layout.
- Built using semantic **HTML/CSS** with a clean UI that reflects a cohesive aesthetic.
- Integrated interactive sections (skills, projects, resume viewer) and deployed through **GitHub Pages** for fast, reliable hosting.

SnapBear

Jan 2025 – Present

Full-Stack Developer — Astro, React, CSS, Netlify — 

San Luis Obispo, CA

- Developed a **EXO inspired photo booth web app** that captures, customizes, and exports photo strips using the browser's webcam API.
- Integrated **React** components within the **Astro** framework to enable live video rendering, countdown timers, shutter flash effects, and downloadable photo strips.
- Implemented client-side image compositing, overlay layering, and export utilities using native browser APIs and **CSS animations**.
- Deployed and optimized through **Netlify** with modular, responsive design for cross-device compatibility.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, SQL (PostgreSQL), HTML, CSS, RISC-V Assembly

Frameworks & Libraries: React, Node.js, FastAPI, Express.js, Astro, Bootstrap

Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ IDEA, Figma, Netlify, GitHub Pages

Concepts: Responsive Web Design, REST APIs, Client-Side Rendering, UI/UX Design, Deployment Pipelines