

MELODY GATAN

Software Engineer | Full-Stack Developer

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EDUCATION

California State University Long Beach

December 2025

Bachelors of Science in Computer Science

Relevant coursework:

GPA (3.6)

- Data Structures, Algorithms, Discrete Structures, Database Fundamentals, Object-Oriented Programming (Python), System Programming (C++), Operating Systems, Mobile App Development

Honors: Dean's List (Fall 2023, Spring 2024), President's List (Spring 2024)

EXPERIENCE

Web Developer Intern | CSULB Esports Association

Sept 2023 - July 2024

- Reduced database query response time by 60% through **PHP/MySQL** optimization, serving 500+ users with 99.2% uptime
- Decreased manual registration processing time by 75% by engineering automated player tryouts system with **PHP/MySQL**, successfully processing 200+ signups per season with zero data loss

Secretary | Women in Computing (WiC) - CSULB

Aug 2023 - April 2024

- Increased member engagement by 35% by automating weekly newsletter delivery to 150+ members using **MailChimp** with targeted content strategy
- Boosted workshop attendance by 45% coordinating 8 technical workshops with 35+ attendees each
- Maintained digital archives for 20+ organization documents and meeting notes

Target | Fulfillment Expert

Aug 2021 - Present

- Process 100+ daily orders while maintaining 98% accuracy rate and trained 3 new team members
- Troubleshoot inventory management software issues for team of 8

PROJECTS & HACKATHONS

Cafinity  | Senior Project | [GitHub Repo](#)

Aug 2024 - May 2025

- Engineered **location-based café discovery platform** by implementing **Firestore database**, and **Google Maps API** integration, resulting in secure application supporting 3 user roles and 200+ café listings in Long Beach
- Led frontend development in 5-person team by building responsive **React** components with **TailwindCSS**, delivering intuitive user experience with 8+ amenity filters and real-time search.
- Implemented **secure authentication** and **role-based access control** using **Firestore database** with **Google Sign-In**, enabling protected routes and user management for owners, admins, and users.

Discord Music Recc Bot | MarinaHacks 3.0 Hackathon | [GitHub Repo](#) | [DevPost](#)

Apr 2023

- Built bot serving 500+ music recommendations to 300+ users across 5 Discord servers
- Integrated **Spotify API** to provide personalized song recommendations based on user preferences
- Won 2nd place in entertainment category at MarinaHacks 3.0 hackathon

Notion Clone | [GitHub Repo](#)

May 2024

- Created document management application with real-time collaboration features using **Next.js** and **Convex**
- Implemented document editor supporting 5+ formatting options and nested structure

TECHNICAL SKILLS

Programming Languages | Python, C++, Java, Kotlin, C#, JavaScript

Web Development | React, HTML/CSS, Next.js, Node.js, PHP

Database Management | MySQL, SQL, Firestore, MongoDB, Convex

Tools & Technologies | Git, Visual Studio Code, Jira, AWS, CI/CD, Agile/Scrum, REST APIs, Command Line, Linux

Affiliation : WiC (Women in Computing), ACM (Association for Computing Machinery), SWE (Society of Women Engineers)