

Duane Cabahug

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Education

California State University Northridge

Aug 2023 - May 2027

B.S., Computer Science

- **GPA:** 3.56 / 4.00

- **Coursework:** Data Structures/Algorithms, Computer Architecture, Discrete Structures, Advanced Data Structures, Automata Theory, Programming Languages

Experience

Department of Child Support Services

Jun 2024 - Aug 2024

System Administration Intern

Camarillo, CA

- Assisted in distributing and installing new technology across the department, boosting productivity and streamlining operations.
- Delivered technical support through the helpdesk ticketing system, resolving hardware and software issues to improve operational availability while extending mean time between failures.
- Deployed and managed application packages using Microsoft SCCM to automate installations and updates across 100+ office computers, ensuring consistency and reducing manual workload.
- Redesigned departmental intranet websites using ASP.NET, improving user experience, accessibility, and long-term maintainability.
- Implemented Imprivata for secure user authentication within intranet environments, enhancing security and user access management

NextGen Hacks 2025 – ClubConnect

Oct 2025

Fullstack Developer

Northridge, CA

- Collaborated with a team of 6 at CSUN's Society of Software Engineers hackathon to build ClubConnect, a platform bridging students and clubs.
- Developed full-stack features using Next.js, Tailwind, Shadcn-UI, PostgreSQL, and Supabase.
- Integrated APIs enabling clubs to post once and share announcements to Discord and Instagram, reducing repetitive workload for club leaders.
- Awarded 2nd place, recognized for addressing real student needs with data showing 40% of CSUN students build networks through clubs.
- Gained exposure to the broader software development lifecycle, learning how roles beyond coding contribute to delivering impactful products.

Projects

Memos

Oct 2025

- Developed a journaling platform where users can capture daily thoughts, goals, and experiences.
- Integrated OpenAI to generate weekly reflections and summaries, offering insights into patterns of successes and challenges.
- Secured entries with Supabase authentication and Postgres storage, ensuring private and reliable record-keeping.

ChatLink

Jun 2025 - Jul 2025

- Built an instant messaging system powered by Firebase real-time database for low-latency communication.
- Implemented authentication and session management to safeguard user privacy in conversations.
- Enabled persistent chat history across devices with Firebase database synchronization.

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript, Python, SQL, C/C++, Java
- **Web/Frameworks:** Next.js, React.js, Tailwind CSS, Shadcn-UI, Node.js, Express.js, ASP.NET
- **Databases:** PostgreSQL, Supabase, MySQL
- **Tools/Platforms:** Git/GitHub, Vercel, Netlify, Firebase, Microsoft SCCM, Imprivata
- **Concepts:** Full-Stack Development, REST APIs, Authentication/Authorization, Responsive UI Design, Data Structures & Algorithms, Software Development Lifecycle