

CHASE PETERSON

San Diego, California

✉ chase@chasepeterston.dev

🌐 linkedin.com/in/cepeterston

📄 chasepeterston.dev

Education

UC San Diego

Bachelor of Science in Computer Science

Bachelor of Arts in Music with an Emphasis in Technology

September 2020 – Expected June 2025

San Diego, California

GPA: 3.90/4.00

Classical Academy High School

Salutatorian

Rank 2/250

September 2016 – June 2020

Escondido, California

GPA: 4.48/4.00 (Unweighted 4.00/4.00)

Technical Skills

Languages: Java, Python, HTML/CSS, JavaScript, TypeScript, C, C#, C++, SQL

Developer Tools: Unix, Git, VS Code, Eclipse, Vim, TailwindCSS, Figma

Technologies/Frameworks: Node.JS, React, Next.js, GitHub, Express, MongoDB, Vercel, WordPress, Godot

Experience

Origin Golf

June 2022 – Present

Software Engineer

Vista, California

- Launched a full-stack **machine shop management website** to track all jobs in the machine shop. This tool **facilitated consistent day-to-day planning** and communication, and saved hours from searching for missing fixtures.
 - Built the management website in **Next.js**, a **React-based framework**, using a **MySQL** database interfacing with **Node.js** in the back-end. Implemented **responsive design** to be compatible with **iOS and Android screens**.
 - Created a **momentary history page** using the same tools, showing the exact state of the shop at any moment in time, and a **history log** with all changes viewable with a **filter**.
- Developed an **order management website** for tracking all active customer orders. This tool dramatically **improved workload awareness**, leading to more **dynamic workforce management** to scale with the needs of the company.
 - First designed the orders page in **Figma**, then created it using **Next.js**, **MySQL**, **Node.js**, and **TypeScript**.
 - Created a **history log** to track all changes to orders for ease of use.
- Created several additional tools and websites to **increase efficiency**:
 - Developed a **time-clock management tool** to decrease payroll entry time by an **estimated 30%**.
 - Built a **conversion tool**, once in **Java** for desktop users, and again in **React** for web users, to optimize manufacturing time. One of the tool's many settings improved machine time by **3 hours per 1000 parts**.
 - Designed a new **company website** to attract new clients with a **built-in contact form**.
- Leading an ongoing effort to sell golf putters **directly to customers**. This includes building an **eCommerce website**, finding suppliers, placing orders for parts, and **sales & marketing**.

Leadership Opportunities

Technology Director for Video Game Development Club | *Logistics, Teamwork*

September 2023 – Present

- Designed and developed a **club website** with simple event and news integration for future use. Also served as **treasurer**, overhauling the club's **financial systems and records** to manage the **\$2500 budget**, plus additional funding.

Computer Science Mentor | *Communication, Leadership*

September 2023 – June 2024

- Served as mentor to **4 computer science students** at UCSD in the Mentor Collective program. Coordinated individual meetings **tailored to each mentee's needs**, including preparing lessons, resources, and answers to questions.

Game Development Team Lead | *Team Management, Game Design*

October 2023

- Orchestrated the development of **Spellthief** with 5 team members, creating a video game using **Godot** in 2 weeks. Advised the team using **personal experience** from **8 previous game jams** as a solo developer.

Software Engineering Team Lead | *Team Management, Web Development*

September 2022 – December 2022

- Led a team of 10 students** to create **Roommate Hub**, an apartment management website. Coordinated **team meetings**, allocated tasks, and contributed 87 out of 454 commits, **achieving an A** in the class.

Assistant Programming Teacher | *Communication, Leadership, Java*

January 2017 – June 2018

- Taught the **Robotics class** at **Classical Academy High School** for two semesters while enrolled as a student, supervised by the official teacher. **Designed a new curriculum** and **gave daily lectures** to teach Java programming.

Awards

National Merit Commended Scholar

Salutatorian at Classical Academy High School