





Chase Peterson

San Diego, California

chasepeterson.dev 
chase@chasepeterson.dev 
linkedin.com/in/cepeteron 
(760) 639-9930 

Summary of Qualifications

- Full-stack developer with experience creating websites using React.js and backend APIs using Node.js and MySQL.
- Leadership experience in software engineering projects using Agile methodologies.
- Passionate about teamwork and always looking to learn. Adaptable and flexible with strong communication skills.

Education

University of California, San Diego

September 2020 - Expected June 2025

Bachelor of Science in Computer Science

San Diego, California

Bachelor of Arts in Music with an Emphasis in Technology

GPA: 3.90/4.00

Relevant Coursework: Machine Learning, Computer Vision, Computer Architecture, Cybersecurity, Operating Systems

Technical Skills

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

Technologies/Frameworks React, React Native, Next.js, Node.js, Express.js, MongoDB, Firebase, AWS, WordPress, Godot

Developer Tools Git/GitHub, Figma, Unix, VS Code, Eclipse, Vim, TailwindCSS, Vercel, Expo, Microsoft Office, Zoom, Google Meet

Experience

Origin Golf | Software Engineering Intern

June 2022 - August 2024

- Independently developed and launched full-stack [machine shop organization](#) and [order management](#) websites:
 - Organized an [active history](#) of the shop's 25 machines by constructing a MySQL database interfacing with a Node.js API.
 - Increased workload awareness and organization by an estimated 80%, virtually eliminating the issue of overstaffing.
 - Produced the front-end with React.js with a responsive UI designed in Figma and built using TailwindCSS.
- Accelerated payroll entry time by an estimated 30% by developing a user-friendly [time-clock management tool](#).
- Optimized manufacturing time by 3 hours per 1000 parts by creating a [conversion tool](#) in React.js and Java.

Jacob's School of Engineering | Computer Science Tutor

January 2024 - March 2024

- Tutored a class of 340 students in computational theory and turing machines for CSE 105 at UC San Diego.
- Led 17 office hours sessions, graded 5 homework assignments and 3 exams, and answered questions for students in class.

Relevant Projects & Leadership Experience

TritonThenix | Software Engineering Intern

July 2024 - Present

- Developed 50% of the front-end components in React Native by utilizing highly configurable designs to cover many use cases.
- Integrated Firebase to implement user registration and connect the application to a back-end Google Firestore database.

Video Game Development Club | Technology Director & Treasurer

September 2023 - Present

- Assembled the club's first technology team to create a [new club website](#) with accessible event and news integration.
- Facilitated maintenance of the events system for officers without technical skills by integrating it with the Google Sheets API.
- Orchestrated the development of [Spellthief](#) with 5 team members, creating a video game using Godot in 2 weeks.

Game Jam Entries

December 2015 - Present

- Created [8 video games](#) in 48 hours each as part of the Ludum Dare game jams, managing all parts of the development process.
- Learned Java in middle school to build a [custom 2D game engine](#), updating it and adding new features after every game jam.

Mentor Collective | Computer Science Mentor

September 2023 - June 2024

- Counseled four students at UC San Diego, coordinating dozens of individual meetings tailored to each mentee's needs.
- Landed two mentees summer internships through regular LeetCode tutoring sessions.

Custom CPU

May 2024

- Designed a [CPU](#) for CSE 141L in SystemVerilog for a custom assembly language, finishing 1st in the class with a perfect grade.
- Created a code assembler using Python to translate the assembly language to machine code.

Software Engineering Team Lead

September 2022 - December 2022

- Led a team of 10 students to create [Roommate Hub](#), an apartment management tool, in HTML, CSS, and JavaScript.
- Established standards for documentation, unit testing, and code review, and oversaw the creation of a CI/CD pipeline.

Awards

Salutatorian at Classical Academy High School

National Merit Commended Scholar

Provost Honors (Every Quarter Enrolled at UCSD)