

# Chase Peterson

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## Summary

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

## Education

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**University of California, San Diego**

Expected June 2025

**Bachelor of Science in Computer Science**

GPA: 3.90/4.00

**Bachelor of Arts in Music, Technology Emphasis**

Relevant Coursework: Machine Learning, Computer Vision, Cybersecurity, Recommender Systems, Computer Music

## Technical Skills

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

**Technologies/Frameworks:** React.js, React Native, Next.js, Node.js, Express.js, MongoDB, Firebase, AWS, Godot, Unity

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

## Experience

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**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 with a Node.js API.
  - Increased workload awareness 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 [machine code conversion tool](#) in React.js and Java.

## Relevant Projects & Leadership Experience

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**TritonThenix** ◊ *Software Engineering Intern*

July 2024 - Present

- Developed 50% of the front-end components in React Native by making 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.

**Java Game Engine & Ludum Dare Games**

December 2015 - Present

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

**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

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**Salutatorian at Classical Academy High School**

**National Merit Commended Scholar**

**Provost Honors** (Every Quarter Enrolled at UC San Diego)