

# Tom Mach

## Software Engineer

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### Skills

**Languages:** C++, Java, JavaScript, C, C#, Python

**Web Development:** HTML, CSS, Node.js, React.js, Express.js

**Databases:** MongoDB, SQL, NoSQL, MySQL, Cassandra, Redis, Neo4j

**Cloud and Development Tools:** Heroku, Netlify, AWS, Docker, Unity, Visual Studio Code, Google Suite

### Education

San José State University - Bachelor of Science in Computer Science

### Projects

#### Drewdle - Collaborative Daily Word Art Platform

[Demo](#) | [Github](#)

JavaScript, HTML, CSS, Node.js, React.js, Express.js, MongoDB, Heroku, Netlify

- Designed and implemented highly efficient and maintainable React components, emphasizing reusability to expedite feature development and enhance the user experience.
- Created a robust RESTful API using Express.js to ensure smooth and efficient database access across the entire platform, resulting in rapid loading times and exceptional responsiveness.
- Integrated MongoDB for secure drawing storage and retrieval, implementing advanced database design and indexing techniques for optimized performance and scalability.

#### LoL Mastery Tracker - Real-time Data Monitor

[Demo](#) | [Github](#)

JavaScript, HTML, CSS, Node.js, React.js, Express.js, Netlify

- Secured permission from Riot Games to access their API, enabling the acquisition of precise in-game statistics and performance data for end-users.
- Designed user interfaces using HTML and CSS, meticulously optimizing them for both desktop and mobile devices. The result was an enhanced and intuitive user experience that catered to a diverse range of League of Legends enthusiasts.

#### Tummybot - Feature Rich Discord Bot

[Github](#)

JavaScript, Node.js, Discord.js, Heroku, AWS S3

- Successfully developed and deployed 85 unique features that facilitated an average of 50 daily user interactions, despite an initial user base of just 23 members.
- Designed and implemented a document-style database system using JSON objects and key references. This strategic choice ensured simple and efficient data access, enhancing the overall user experience.
- Leveraged AWS S3 for the secure and reliable storage of user-generated data, while also ensuring uninterrupted bot availability through deployment on the Heroku platform. This combination of technologies delivered a seamless and efficient user experience.

### Experience

#### Crew at Marugame

Aug 2023 - Present

- Excelled in diverse roles within a fast-paced environment, demonstrating adaptability and rapid skill acquisition, resulting in a promotion within three months.
- Actively contribute to the training and onboarding of new team members, showcasing leadership and mentoring skills, ensuring seamless integration into the team.

#### Barista at Sharetea

Mar 2020 - Aug 2020

- Coordinated with various online ordering platforms, ensuring a seamless order flow and preventing operational disruptions.
- Demonstrated strong organizational and multitasking skills in a fast-paced environment.

#### Food Runner at Kinja Sushi Bar and Restaurant

Jan 2019 - May 2019

- Contributed to a more enjoyable dining experience, resulting in a 5-20% increase in tips.
- Demonstrated strong communication skills and an ability to meet customer needs effectively.