

# Tom Mach

## Software Engineer

Oakland, CA • (510) 918-8823 • [LinkedIn](#) • [Github](#) • [Portfolio](#) • [tom.m.mach@gmail.com](mailto:tom.m.mach@gmail.com)

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### Skills

C++, Java, JavaScript, CSS, HTML, Node.js, React.js, Express.js, C, C#, Python, SQL, NoSQL, MySQL, Cassandra, Redis, MongoDB, Neo4j, AWS, Docker, Unity, Visual Studio Code, Google Suite

### Education

**San José State University - Bachelor of Science in Computer Science (Aug 2019 - May 2022)**

### Relevant Courses

Data Structures and Algorithms, Object Oriented Design, Operating Systems, Database Management Systems, NoSQL, Computer Game Design

### Projects

#### Drewdle - MERN Web App (June 2023)

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

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

- Developed React components that are both efficient and easy to maintain, promoting their reusability.
- Implemented an Express-based RESTful API to ensure streamlined database access across the website.
- Integrated MongoDB to efficiently store account information and achieve scalable performance.

#### LoL Mastery Tracker - Web App (Mar 2023)

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

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

- Obtained permission from Riot Games to leverage their API, enabling the delivery of precise data to end-users.
- Designed user interfaces using HTML and CSS, which were optimized for both desktop and mobile devices, resulting in an improved user experience.

#### Tummybot - Messaging App Bot (Jun 2022)

[Github](#)

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

- Successfully executed and delivered 85 features that sustained an average of 50 daily user interactions from a user base of 23.
- Established a document-style database simulation using JSON objects and key references, resulting in simple and efficient data access.
- Employed AWS S3 for secure storage of user data and utilized Heroku to ensure 24-hour uptime.

### Experience

#### Barista at Sharetea (12 hrs/week)

**Mar 2020 - Aug 2020**

- Managed incoming customers and 4 online ordering apps to control a steady flow of orders so my coworkers are not overworked.

#### Food Runner at Kinja Sushi Bar and Restaurant (10 hrs/week)

**Jan 2019 - May 2019**

- Kept customers happy by clearing tables and refilling their water leading to an increase in tips by 5-20%.

#### Teaching Intern at East Bay Asian Youth Center (Internship)

**Aug 2014 - Jun 2016**

- Facilitated 40% of the class activities throughout the day and guided students through their homework to improve learning.