

Tom Ekshtein

📍 Sunnyvale, California, United States ✉️ Tekshteint@gmail.com ☎️ (408)-431-8964 🌐 in/tomekshtein/ 🌐 https://tom.ekshtein.com

EXPERIENCE

Software Engineering Intern

Digma.ai

March 2023 - Present, Sunnyvale, CA

- Conducted high concurrent load testing on real-world, open-source projects such as Spring's pet-store, Restbucks, and Arch-Evident Spring to validate functionality and reliability of real-time code linter leveraging Spring, Spring Boot, and Spring Modulith frameworks.
 - Database Connection Pooling: Contributed to the identification of conditions leading to database connection pooling issues. Conducted meticulous analysis of various scenarios utilizing Hikari and C3PO, pinpointing scenarios where database communications drop and are re-established. Instrumental findings provided valuable insights to the engineering team, empowering them to implement solutions to identify connection pooling issues to users.
 - Key Contributions: Successfully ensured the compatibility of our linter with Spring, Spring Boot, and Spring Modulith, enhancing its usability for a broader range of developers. Collaborated effectively with cross-functional teams to implement optimizations and improvements based on my findings. Gained hands-on experience in software development best practices and quality assurance methodologies.
 - **Skills applied: Spring Frameworks, PostgreSQL Databases, Object Relational Managers, Concurrency Testing, Open-Telemetry, Docker, Connection Pooling, Java, Python, Bash Scripting**
-

PROJECTS

Anti-Adblock Blocker

- Developed a Chrome-store extension that enhances user experience by detecting and removing annoying popups that prompt users to disable their adblocker while locking their webpage. This extension, written in JavaScript and utilizing CSS, ensures a seamless browsing experience while maintaining privacy and security.
 - This extension was originally written as a userscript for managers such as Tampermonkey. However, I modified it to be used directly in the browser without the need for a third-party middleman. The GitHub repository for this project implements version control using branches to ensure there are no conflicts between the userscript and the extension.
 - In today's online landscape, adblocking and tracker blocking have become essential for protecting user privacy. By combating anti-adblockers, which invade privacy through data collection, this project contributes to a safer and more user-friendly online environment.
 - **Skills Applied: JavaScript, CSS, HTML, Git Version Control, GDPR**
-

EDUCATION

Bachelor of Science in Computer Science

Minor in Cyber Security • California State University Long Beach • Aug 2022-Dec 2024 • 3.6 GPA

Associates Science Transfer in Computer Science

De Anza Community College • Cupertino, CA • Sep 2019-Aug 2022 • 3.8 GPA

INVOLVEMENT

Data Acquisition Team Founder

California State University Long Beach • Society of Automotive Engineers • August 2022 - Present

- Fueled by my passion for vehicle dynamics as an amateur time attack driver, I actively applied my expertise to enhance the performance and efficiency of the club's Baja offroad project car. Through the Data Acquisition Team, I forged connections between computer science and automotive engineering, ensuring that data-driven insights played a pivotal role in optimizing our offroad vehicle.
 - Initiating the team's formation faced initial resistance but communicated the need to the club president and team leaders, successfully secured the green light for official commencement. Enlisting students majoring in Computer Science, Computer Engineering, and Electrical Engineering, I strategically augmented the team, paving the way for diverse perspectives and comprehensive collaboration.
-

SKILLS

Java, JavaScript, Python, MASM, MIPS, C, C++, Linux, HTML, CSS, PHP, Object Oriented Programming, Team Leadership, Docker, PostgreSQL, MongoDB, Spring Frameworks, Cyber Security, Network Administration, Object Relational Managers, Open-Telemetry, Microsoft Office