Bitian Zhang

Full-stack Software Engineer | bitian.zhang@gmail.com | LinkedIn GitHub Portfolio Blog Twitter

SUMMARY

As a full-stack software engineer with a background in psychology and public services, I am passionate about enhancing public engagement. With a track record of developing human-centered web applications that prioritize accessibility standards, I thrive in collaborative environments and pay strong attention to detail, ensuring the delivery of high-quality code even under tight deadlines.

SKILLS

JavaScript   TypeScript   Python   React   Node   Express   HTML   CSS   GitHub   SQL

PROJECTS

Catlog [🔗] — Full-stack web app that provides a platform for rescue agencies and volunteers to easily enter and update important information about cats, including their profiles, medical history, and current status. Streamlines communication and information sharing between rescue agencies and volunteers, making it easier to provide crucial care for cats in need.

Technologies used: JavaScript, Node, Express, EJS, MongoDB, TailwindCSS.

Home Bakery [🔗] — Developed a web app for a home bakery, reimagining the way the owner showcases and sells their homemade baked goods. Created an intuitive and user-friendly platform that allows clients to effortlessly browse through a delightful selection of treats and seamlessly add, remove, and edit items in their shopping carts.

Technologies used: React, TypeScript, ReactBootstrap.

Daily Tasks Heatmap [🔗] — Full-stack web app that enables users to track the completion of daily assignments through a GitHub-style heatmap. Provides users with a visually engaging and intuitive way to track their daily assignments and progress, which can be a powerful motivator for staying on top of tasks. Surfaces patterns and trends in the user's productivity, making it easier to identify areas for improvement and increase overall efficiency.

Technologies used: JavaScript, Node, Express, MongoDB, CSS.

EDUCATION

Amherst College, MA - *BA Psychology*

EXPERIENCE

Software Engineer - *Hack for LA* [🔗]   JAN 2023 – PRESENT

- Created React pages and wrote utility classes using Sass, following web accessibility standards.
- Refactored crucial GitHub Actions scripts and implemented bots that run regularly, automating the process of checking issue updates and sending reminders to contributors. Resulted in improved workflows, increased consistency, and greater efficiency.
- Reviewed and merged pull requests from other contributors, providing constructive feedback and resolving merge conflicts when needed. Ensured timely and efficient delivery of features and enhancements.

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Software Engineer - *100devs* [🔗]   MAY 2021 – PRESENT

- Collaborated with cross-functional teams of software developers to design, develop, and deploy full-stack web applications. Utilized agile methodologies to ensure timely delivery of products.

- Worked with paid clients to build websites for business and personal use.

- Led and mentored new developers, helping them improve their skills using GitHub.

- Wrote informative and insightful blog articles on popular technologies and best practices in web development, sharing knowledge and contributing to the broader developer community.

Community Services Coordinator - *City of Sunnyvale*   OCT 2018 – DEC 2020

- Conducted comprehensive training sessions for coordinators and the customer service team to effectively utilize a newly implemented program registration system, resulting in a notable increase in online registrations and enhanced data collection practices.

- Oversaw the city's Teen Advisory Committee and successfully orchestrated large-scale community events, collaborating with multiple departments and stakeholders to ensure seamless execution and foster community engagement.

- Authored policies and exercised budget management responsibilities, ensuring strict adherence to government financial guidelines and making substantial contributions to the development of efficient governance strategies.

Community Technology Specialist - *San Mateo County Libraries*   MAR 2015 – OCT 2018

- Fostered collaboration with the California Academy of Sciences, collaborating on the development and implementation of citizen science programs across multiple branches, bringing innovative and educational experiences to the community.

- Orchestrated and managed highly successful large-scale events, including the STEAM Fair and 3D Printing Fair, drawing in over 400 participants and showcasing the latest advancements in technology and creativity.

- Contributed as a member of the Tech Committee, collaborating with contractors to envision and establish cutting-edge library Makerspaces, enhancing access to technology and fostering a culture of innovation.

- Designed and delivered engaging Arduino workshops, creating lesson plans catered to youth from diverse backgrounds and actively participating in initiatives such as Girls Who Code.

LANGUAGES

- English
- Chinese