Brian Xue

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Skills

Java, C++, C#, C, JavaScript, Clojure, ClojureScript, Git, React.js, Redux.js, Node.js, Express, Python, Flask, HTML5, CSS3, PostgreSQL, Datomic, jQuery, Shell Script, Selenium, Appium, Maven, Cucumber, Spring, Django, AWS, JIRA, Jenkins, Docker

Experience

Ladder Life
Full-Stack Software Developer   March 2022 - January 2023
- Built A/B tests/experiments for optimizing the insurance application flow and improving various UI elements on the Ladder website using Clojure/Clojurescript and React
- Utilized Datomic to store backend data and query for experiment analysis/narrow down user experience-related issues
- Increased application completion rates by 5-10% with modifications to the application flow and question layout

Wells Fargo
Software Developer in Test   Aug 2016 - Aug 2018
- Eliminated the number of cases requiring manual testing by creating an automation framework for UI and functionality testing on mobile application and web pages (Java, Spring, TestNG, Appium/Selenium)
- Developed separate Java/Cucumber framework allowing non-programmers to write automation for UI and SQL query tests by mapping basic English phrases to Java code
- Optimized testing workflow by implementing HP ALM Integration to testing frameworks, using its REST API to automatically upload test results and analyze failure rates after nightly builds

Qualcomm
Software Engineer   May 2015- May 2016
- Increased performance by 10-20% through contribution to the V8 engine, a Javascript compiler written in C++ for Chromium browsers on Android devices with Qualcomm chips
- Analyzed and tested failures reported by customers through JIRA by writing test scripts (Python/Unix Shell), locating the source of the failure (automation and debug logs), and reporting to developers
- Produced new test cases/modified benchmarks for more thorough testing and comparisons with 3-4 competing products

Projects

Trivia Dungeon (JavaScript, React / Redux, Python / Flask, HTML, CSS, Material UI, PostgreSQL)   [Live Site](#) | [Github](#)
Trivia app where users can submit trivia questions, create sets, and play through them
- Created database + forms for submitting custom questions, trivia sets, and comments with PostgreSQL and Flask on the backend
- Designed custom React components for playing through trivia questions and going through the basic game loop
- Utilized a Redux store to track trivia questions to load onto the rendering React components
- Allowed users to search for questions and sets by name, or play through random questions with filters for difficulty and category

Pickr (JavaScript, Express, Node.js, Postgresql, AWS, HTML5, CSS)   [Live Site](#) | [Github](#)
Flickr clone, upload images, add them to albums, and leave comments
- Integrated with AWS S3 for uploading picture(s) and storing them in the cloud
- Designed drag-and-drop interface for adding and organizing uploaded images into albums
- Incorporated comments on pictures, along with editing/deleting capabilities and timestamps
- Constructed tagging system for pictures, allowing users to search for photos based on related tags

ToDoomList (JavaScript, Express, Node.js, Postgresql, HTML5, CSS)   [Live Site](#) | [Github](#)
Remember the Milk clone for creating to-do lists, but for villains
- Formed one-page interface for viewing lists and looking at details of individual items
- Dynamically display/update list items on app page using pure Javascript
- Implemented API routes for linking Postgres / Express backend with JS / HTML frontend
- Developed forms for users signing up new accounts and logging in to existing accounts

Education

App Academy   Jan 2021 - June 2021
Immersive software development course with focus on full stack web development.

University of Illinois Urbana-Champaign
Bachelor of Science in Computer Science   Aug 2011 - Aug 2015