BAT-ERDENE BATTUR

Software Engineering

Employment

iFixit

Software Quality Assurance Apprentice

San Luis Obispo, CA   December 2019 – Present

iFixit makes free online repair guides and sells high-quality parts and toolkits. I work with other QA engineers/testers and software developers to ensure and maintain the high quality of iFixit's software.

▸ Identify, report, reproduce, and prevent defects/bugs in the software.
▸ Conduct system, unit, acceptance, regression, and performance tests with a combination of automated and manual testing.
▸ Participate in daily scrums, and support software engineers and testers.
▸ Safely merge and deploy new code changes to the production machines.

Featured technologies: PHP, React, Docker, MySQL, AWS S3, Sentry.

Projects

Trauma Sheet and Patient Care Hierarchy Log

Software Capstone Project   September 2021 – Present

Implementing critical features to the existing fEMR (fast Electronic Medical Records) medical technology to assist physicians that are providing care in trauma settings.

▸ Alter the existing database constraints and store new patient entries.
▸ Design and implement the trauma sheet user interface for physicians to draw and record graphical data.
▸ Transform the stored data to a hierarchy of care needs, to assist the intake nurse with quick patient distribution.

Featured technologies: Java, Play Framework, Scala, MySQL, Docker, JIRA, Figma.

SLO HIKES

Webapp for Software Engineering Project   January 2021 – June 2021

Collaboratively developed a full-stack web application that provides detailed reviews, weather conditions, and user profiles to save and add reviews for the hikes in the San Luis Obispo County area.

▸ Created API routes to fetch, post, update and delete hike information.
▸ Designed and implemented the front/backend of the review system, and database queries to fetch and store them.
▸ Added unit/integration tests and set up CI/CD pipeline.
▸ Led sprint planning, retrospectives, and standups in a team of 4 developers.

Featured technologies: MongoDB, Express.js, React, Node.js, Javascript.

Contact

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📍 San Luis Obispo, CA

in www.linkedin.com/in/bat-battur

Education

California Polytechnic State University, San Luis Obispo

Expected Graduation: June 2022
B.S. Software Engineering
Overall GPA: 3.6

Courses

▸ Software Engineering
▸ Software Requirements Engineering
▸ Object-Oriented Programming
▸ Data Structures
▸ Systems Programming
▸ Design & Analysis of Algorithms
▸ Database Systems
▸ Computer Organization and Architecture
▸ User-Centered Interface Design and Development
▸ Discrete Structures
▸ Linear Algebra
▸ Computer Ethics
▸ Technical Writing for Engineers
▸ Statistical Methods: Engineers
▸ Financial Decision Making: Engineers

Skills and Tools

▸ Java
▸ Python
▸ PHP
▸ C
▸ HTML & CSS

▸ JavaScript
▸ React.js, Next.js, Node.js, Express.js
▸ MySQL, MongoDB
▸ Docker
▸ Git & Github, JIRA

▸ REST API, Postman
▸ AWS S3
▸ Sentry, TravisCI, Heroku
▸ Cypress, Jest
▸ Adobe Photoshop, Figma