


Robin Guan

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Full stack developer and user experience designer with 5 years' experience devising practical solutions for multiple projects in the fields of healthcare, supply-chain management, and aerospace. I am passionate about learning, problem solving, and user-centered design. I have knowledge in both designing and developing web applications and am eager to apply my skills to new projects. I am seeking opportunities to join open and collaborative teams working on innovative projects that exceed end user expectations!

Education

Professional Scrum Master Certificate

2020

Web & Software Development

Coding Dojo, Seattle 2018

Project Management Certificate

University of Washington, Seattle 2014

Bachelor of Fine Arts in Industrial Design

University of Washington, Seattle 2003 – 2008

Relevant Experience

MAY 2019 – DECEMBER 2019

Full Stack Developer | Seattle Cancer Care Alliance, Seattle

- Worked closely with product owners and other engineers on the team to design and implement a web-based application with the React library for patients to fill out the National Chemotherapy Survey in the clinics instead of at home, improving patient response rate and user experience.
- Built highly re-useable React components and used Storybook to create the documentation of components.
- Collaborated with cross-functional teams to design and implement event-driven AWS Lambda functions to automate the scheduling, activating, and expiring processes of various patient facing services.
- Contributed to and enhanced an NPM package for parsing events from AWS Lambdas. [[GitHub](#)]
- Wrote utility helper methods for quickly creating AWS Lambda handlers.
- Wrote unit tests and integration tests for all code modifications.

MAY 2015 – MAY-2019

UI/UX Designer | Net-Inspect, Kirkland

- Designed and implemented 3 major modules in a suite of web-based supply chain management SAAS tools; took broad, conceptual ideas and turned them into modern, responsive design flows and high-quality experience; simplified and sped up end user's work process. [[demo](#)]
- Brainstormed, prototyped, and created data-driven interactive charts; transformed complex concepts and data into visually engaging information according to modern design principles. [[demo](#)]
- Managed projects, communicated project specifications, performed end-to-end testing, and created bug reports in Jira.
- Collaborated with business stakeholders and the engineering team to develop project requirements, feature specifications, identify user needs and pain points, and translated them into elegant design solutions.

JUNE 2011 – APRIL 2015

Multimedia Developer | The Boeing Company, Renton

- Designed, researched, developed, and delivered on time all new flight and maintenance training manuals using Adobe Creative Suite, optimized for clarity and readability.
- Led a redesign of an online Learning Management System; executed front-end design and development, rethought the information architecture, optimized workflows, and created wireframes for mobile-friendly applications.
- Produced complex 2D and 3D illustrations, design layouts, and other interactive graphic media for Boeing Flight and Maintenance Training.
- Created design standards, processes, and version controls for paper and electronic flight manuals.
- Managed the development of Boeing 360 Virtual Reality Tours website, including development using HTML5, CSS and JavaScript; conducted usability studies, and created materials for training and maintenance.

Skills

Development

- HTML5, CSS, JavaScript (ES6)
- React, Redux, Hooks
- Node, Express
- Mocha, Jest
- Angular, Backbone, Underscore
- Python, Django, Flask
- C#, ASP.NET Core, Entity
- Relational Database – MySQL, PostgreSQL
- NoSQL – MongoDB, Redis

Design

- Creative concept development
- Wireframing/Storyboarding
- Information architecture
- User interface/User experience
- Responsive Design
- High-fidelity and low-fidelity prototyping
- Print design and illustration

Tools

- Adobe Suite
- Sketch
- InVision
- Squarespace/Shopify/WordPress
- Microsoft Office 365
- Visual Studio Code
- Postman
- Git
- Jira
- Scrum