

# Robin Guan

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Full stack developer and user experience (UX) 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!

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## Education

Web & Software Development

Project Management Certificate

Bachelor of Fine Arts in Industrial Design

Coding Dojo, Seattle 2018

University of Washington, Seattle 2014

University of Washington, Seattle 2003 – 2008

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## Relevant Experience

MAY 2019 – DECEMBER 2019

### Software Engineer | Seattle Cancer Care Alliance, Seattle

- Designed and implemented a user-interface for patients to fill out the National Chemotherapy Survey in-clinic instead of at home, improving patient response rate; written using React.
- Built and maintained UI components using Storybook.
- Built event-driven AWS Lambda functions to schedule, activate, and expire patient surveys.
- Contributed to and enhanced an NPM package for parsing events from AWS Lambdas.
- 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.

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## Skills

### Development

- HTML5/CSS/JavaScript (ES6)
- React, Angular, Node, Express
- Backbone, Underscore, jQuery,
- Python, Django, Flask
- C#, ASP.NET Core, Entity
- Relational Database – MySQL, Sequelize ORM
- NoSQL – MongoDB
- Testing – Jest, Mocha, Chai, Enzyme

### Design

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

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## Tools

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