

## **PROJECTS**

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### Professional Website & Portfolio

*biancadanforth.com*

- A web application with advanced design elements and a contact form.
- Uses HTML5, CSS3 (Sass), JavaScript ES6 (React) and Git

### To Do List

*biancadanforth.com/work/to-do-list/live*

- A pure JavaScript (no libraries) single-page application that enables users to add, edit, delete, complete, undo and filter tasks.
- Uses HTML5, CSS3 and JavaScript ES5

## **WORK**

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### Web Designer & Front-End Developer

*Self-Employed, 02/2016 - Present*

- Completed several individual, self-initiated projects, with weekly mentorship from a professional web designer and front-end developer.

### Mechanical Design Engineer

*Exploratorium, 05/2014 - 02/2016*

- Collaborated with a multidisciplinary team to design, prototype and build ten science exhibits for clients all over the world using CAD.
- Created engineering specifications, technical drawings and other documentation, working directly with vendors to make custom parts.

### Manufacturing Engineer

*Lin Engineering, 05/2013 - 05/2014*

- Led process design for manufacturing a new motor product line.

### Classroom & Shop Teaching Assistant

*Stanford University, 09/2010 - 06/2012*

- Managed, supervised and taught hundreds of students in an advanced design class.

## **SKILLS**

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### Languages

- HTML5 , CSS3 (including Sass) and JavaScript ES6 (including React)

### Software & Tools

- Photoshop, InVision and Git

### Design

- Rapid prototyping, user testing and wireframing

## **EDUCATION**

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### M.S. in Mechanical Engineering

*Stanford University, 09/2010 - 06/2012*

- Coursework in product design and art studio

### B.S. in Mechanical Engineering

*Stanford University, 09/2006 - 06/2010*

- Coursework in computer science (Java, C and MATLAB) and product design