



# annie ho

web developer + designer

portfolio: [hammerlord.github.io](https://hammerlord.github.io)  
github: [github.com/Hammerlord](https://github.com/Hammerlord)  
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## experience

### Front-End / UX Engineer

Hitachi ABB Power Grids | Oct 2019 - Current

Technologies: JavaScript (ES6+), React, Redux, NPM, Express, CSS (SASS), Jest

Convert specs and mockups to polished, unit-tested features for ABB's industrial automation platform.

- Major contributor to the code design and implementation of a new client-facing React app that plays back a stream of data. Built the buffering system and playback logic flow; directed team efforts on memory management and UI. App passed QA without issue and was delivered to clients on time.
- Provide technical guidance and conduct code reviews.

### Web Developer

Gumstix | Jan 2017 - Oct 2019

Technologies: JavaScript (ES6, TypeScript), React, JQuery, PHP (Symfony), HTML + CSS (LESS), Jasmine

Designed, coded, and shipped customer-facing features for Gumstix's circuit board design application, Geppetto. Wrote unit tests for code stability and performed QA.

- Halved initial application load time, which increased user interaction rates by over 80%.
- Created the Board Builder, a tool that automates the app workflow by placing and connecting chosen components. Developed the feature end-to-end, including server APIs, API consumption, UI design, and dynamic data display. The Builder has generated 4,000+ designs and increased sign-up rates by ~20%.
- Led initiative to convert legacy Backbone.js code to React. Gradually reworked over 20,000 lines of code, maintaining the same functionality while drastically reducing the number of bugs.
- Reworked a proprietary Angular app to reduce manual tasks and error by company engineers, including: visual indication of issues, data entry automation, and server-side pagination for load time performance.

## skills

HTML + CSS / LESS / SASS

JavaScript (ES6+)

React, TypeScript, JQuery, Jest

Python 3

PHP

Adobe Creative Suite

UX / UI Design

Have experience with:

Java   C#   XML   .NET/WPF

## education

Simon Fraser University

Interactive Arts and Technology (B.A.)

2012 - 2017

## personal projects

Chat bots using the Discord Python API and DynamoDB for back-end data storage:

Rollbot: Suite of luck-based games—slot machine, multiplayer Blackjack, Final Fantasy XIV Cactpot clone and more; tracks player earnings and losses

Monbot: Pokemon-style game with turn-based combat, item collection, and player-versus-player mode