

HTML5
CSS3
JavaScript
TypeScript
Angular
NgRx
Redux
AngularJS
Material
Bootstrap
Node.js
Express
MongoDB
MVC / MVVM
Backbone.js
D3.js
MathJax
MathQuill
Katex
LESS
SCSS
Flutter
Dart
Grunt
Bower
JSON
Handlebars
Jade
Git
Jekyll
Bing Maps
Google Maps
Cucumber
Poltergeist
Karma
Jasmine
Jest
Marbles
Google Analytics
Omniure
JSP/JSTL
PHP
MySQL
Zelda
VS Code
BBEdit
Photoshop
Illustrator
Flash

David Strong

grfxjedi@gmail.com

Experience

Merrill Corporation, Staff Software Engineer - Technical Lead, May 2019 - Present

Member of an agile, multi-disciplinary team, responsible for the core functionality of our platform and applications. Working in a collaborative partnership with UX, I am tasked with the implementation of new features and architectural updates.

- Implementing designs using Material components
- Development in Angular 7 and NgRx within a library-based system
- Extensive unit testing using Jest, Jasmine and Marbles

Pearson, Senior Research Engineer, Apr 2015 – Mar 2019

Lead the front-end efforts in rapid prototyping on an R&D team formed to demonstrate innovation and bleeding edge technology. Bridging between roles of UI engineer and UX designer. Developing applications to showcase intelligent capabilities through restful APIs.

- Planned and ran successful, cross-team and multi-discipline, agile projects
- Design of engineering solutions using microservice architecture
- Named inventor on over 25 patent pending applications
- Developed a variety of web based, mobile first, PoC applications in AngularJS
- Assisted in running a 200+ user pilot study to gather interaction data of a PoC application

OppenheimerFunds, Senior Web Developer (contractor), Dec 2014 – Jun 2015

Short-term contract to take a proof of concept sales presentation tool, and develop it into a production ready application. I oversaw development through beta testing and revisions.

- Light-weight iPad web application using Handlebars, Backbone.js, Slick.js, and Velocity.js
- Designed to function offline using HTML5 local storage and ApplicationCache

Placeable (LocationInsight / InfoNow), Information Architect, Feb 2008 – Nov 2014

Founding member of Placeable. As an Information Architect, I was responsible for the look and feel of our applications, as well as the development of desktop and mobile views.

- Developed responsive interactivity for desktop and mobile users in an MVC framework
- Fortune 500 clients such as Bank of America, JPMorgan, Wells Fargo and AAA Carolinas
- Developed internal applications on the MEAN stack (MongoDB, Express, AngularJS, Node.js)
- Interactive map JavaScript APIs; Google and Bing maps
- Developed a customer facing dashboard product using D3.js, Backbone.js and Node.js

Strong Possibilities, LLC, Owner, Mar 2001 – Feb 2008

I operated my own company consulting and contracting for both large and small clients.

- Designed web sites for local small businesses, developed advertising and branding
- Built easy to use inventory management data systems using PHP and MySQL
- Taught workshops & classes on a wide range of multimedia topics

Early Roles

eCollege, Multimedia Specialist, Aug 2005 – Nov 2006

Level 3 Communications, Training Technologist, Mar 2003 – Mar 2004

Accenture (Andersen Consulting), Multimedia Developer, Mar 1994 – Feb 2001

About Me

Simplicity is the ultimate sophistication

Over 25 years of experience in UI/UX (User Interface/User Experience) design and development. I lean heavily towards mobile-first design philosophy and strive for simplicity. I pride myself on designing for the user first, ease of use being far more important than being flashy. I live for innovation and am currently a named inventor on over 25 patent pending applications.

I am an expert in accessible design such as compliance with ADA (American Disability Act) guidelines. Studying HCI (Human Computer Interaction) with a focus on ease of use. Strong analytical and collaborative skills allow for decisive navigation of issues. Capable of guiding teams and fostering professional growth, enabling a highly productive team atmosphere with focus on trust, respect and clear communication.

As an expert in programming HTML5, CSS3 & JavaScript, I've been developing in web based-technologies since the birth of the web. I've developed single page applications, native mobile apps, public web sites, online training applications, dashboards and internal systems using a variety of languages and technologies. Well versed in JavaScript with and without third party libraries such as jQuery and Bootstrap. As a veteran of the browser wars of today and years past, I ensure compatibility across major web browsers, desktop and mobile devices.

I take on each view as an individual design challenge, ensuring that all my applications are simple, elegant and efficient. I have experience with traditional graphic design as well; logos / corporate identities and marketing materials.

Education

Graduated from the Art Institute of Colorado, 1993 Visual Communications

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