Dan Fletcher

Programmer |Web Developer | Blogger | Student | Self Learner

86 Loveys St.
Hickson, ON
(519) 801-5851

dannyjamesfletcher@gmail.com
https://github.com/DanJFletcher
https://ca.linkedin.com/in/danjfletcher

EXPERIENCE

Redding Designs Inc, Aylmer ON, Canada

— *Web Developer*

April 2015 - Present

Redding Designs is a small web development agency that has grown from 3 – 12 employees over the last year. Being in a company that has grown so much so fast, and has accumulated more than 350 clients, has taught me a lot about multi-tasking, prioritization, and improvisation. I use HTML/CSS, JS, PHP, MySQL and Gulp on a day-to-day basis. I'm also jumping from one side of the office to the other all day, helping the team get up to speed with Git, and modern workflows/environments. http://reddingdesigns.com/

Khan Academy, Mountain View CA, US

— *Remote: Computing Curriculum Consultant*

October 2015 - June 2015 (On going)

Not the most descriptive job title - I know. I dig through user issue reports for the in-browser coding challenges, and decide what changes need to be made to the challenge graders, to prevent those issues from happening. I implement my changes using HTML/CSS and JavaScript.

Some tools I work with are Git, Sublime Text, C9.io, Gimp, Gliffy, JIRA, and Google Docs, and Sheets.

Results?? Our busiest week, Computer Science Education Week, saw 42k users, a 10% increase in user engagement, and a 50% decrease in user issues. https://www.khanacademy.org/

Dan Fletcher Blog, Home Office

— *Blogger/Site Administrator*

January 2015 - Present

A wordpress site, that I post articles to weekly, and administer. The blog lives at http://www.danfletcherblog.ca

SKILLS

CMS (Wordpress, Opencart)

Client Communication

Mobile First

Responsive Design

Team Communication

Task Management

Rubiks Cubes

AWARDS

President's List - University of the People

LANGUAGES / TECHNOLOGIES

HTML/CSS/SASS

LAMP

JavaScript

Git/Bitbucket/Github

Laravel

3rd Party API's

01100010 01101001 01101110 01100001 01110010 01111001

EDUCATION

University of the People, Pasadena CA, US — *BS.Cs*

April 2015 - Present

Currently holding a 3.9 CGPA in my Computer Science Bachelor's Degree program. I chose UoPeople because it is an online, tuition-free accredited alternative to traditional universities. It's flexibility has allowed me to fulfill my role as a husband and father, pursue an education, and work as a programmer/consultant while teaching myself best practices in web development, AND tinkering with my own projects and ideas.

PROJECTS

The London Beatles Fest Trivia — *Promotional trivia game with basic user authentication and admin dashboard*

http://trivia.thelondonbeatlesfestival.com/

This project was done while working for Redding Designs Inc. One of our talented graphics designers / front-end devs created a solid starting point for the main pages. I then ported his hard coded pages into Laravel 5.2 using the Blade templating engine for the views. I wrote all of the backend code for handling user scores, permissions, and the date locked quizzes. The quiz itself runs in the client, and I used owl-carousel with some jQuery and a few AJAX calls to achieve the functionality. Timeline was very short (about a week) so there are a lot of flaws that I was not able to address due to these time constraints. Overall the project has been a success.

Patio Depot of Destin Florida— *Website for CRP Products Inc Dealer*

http://patiodepotofdestin.com/

This was a fun one! The furniture that this company sells down in Florida is the same furniture that I used to machine and assemble while working for CRP Products Inc. The client accidentally removed their old site before this one was finished - so there was a huge push to get this launched as quickly as possible. After launching, the client made a sale through the site within 30 minutes of going live! It's making a profit, but there is still a lot of testing and work to be done to get this site to an acceptable level of *correctness*. Concept and design was done by two of our designers at Redding Designs. Most of this site was programmed by me, with the help of a front-end dev.

OTHER WORK EXPERIENCE

Ascent Solutions
Construction Labourer

StackPole International
CNC Operator / PLC's / Programming

FAG Aerospace
CNC Operator/Programmer

Alliance Sales & Distribution
Warehouse Worker

Little Grasshopper Landscaping
Labourer

Stratford Property Care
Labourer

CRP Products Inc.
CNC / Injection Mold Extrusion / Forklift / Machining / Assembly

Aisen Canada
Material Handler

Big D's Grill & Restaurant
Dishwasher / Backup Cook / Food Prep

Tim Horton's
Cash / Front Counter

A&W
Kitchen / Food Prep / Cleaner

Arm Strong Cleaning
Labourer

Hong Kong Palace
Bus Boy / Dishwasher

A&G Locksmithing
Labourer

Are these "pet" projects? Maybe. Do they show off my skills? Definitely.

FCC Local Weather App — *Simple weather app using the Google Location and Open Weather APIs*

https://danjfletcher.github.io/fcc-local-weather/

Just a small project I made to demonstrate my ability to use public API's such as those provided by Google. This project also will go towards my FCC front-end developer certificate. Due to mixed content between HTTP and HTTPS you'll have to disable any security blocks your browser may use. If your browser does not protect against mixed content, and you've allowed location sharing, the weather for your geo-coords will be shown automatically. Otherwise, you'll have to use the input field to search for a location.

Apples & Poop — *Mobile Friendly web app/game*

http://danfletcherblog.ca/apps/apples_and_poop/

During a coloring session with my son, he requested that I draw a tree with apples, and a monkey... and poop. The idea hit me, that this crayon sketch was actually a game, and so it was made. Slide the basket left and right to catch apples as they fall, but don't catch the poop!

All of the graphics, design and implementation was made by me. The game is built using the Construct 2 game engine.

Electronic Calculator — *Mobile Friendly web app*

http://codepen.io/DanJFletcher/full/WrEPXw/

Not the most impressive technical feat I've managed, but at the time it marked a major accomplishment for me on the CSS front. I'm not a designer, but I'm proud of how this app turned out; It shows that when given a design, I can implement it. In this case, I copied the image in my head of a regular desk calculator.

Pong Clone — *Game on Khan Academy*

https://www.khanacademy.org/computer-programming/paddles-a-pong-clone/6476272483696640

I built this little pong clone on Khan Academy when I first started learning JavaScript. This is before I realized that JavaScript isn't really an OOP language. However much I dislike the source code these days, it still remains a fun game to play!

University of the People
Student Ambassador
Tutor
CS Support group organizer
APA6 Gamification developer

Khan Academy
CS community moderator

Pamela Fox (Content Creator/Team Lead)
Khan Academy
pamela.fox@gmail.com

Marc Bueno, BSc CS, MBA, BA Ed, MDE

Computer Science Professor, Mobile, Web and Databases Instructor and IT Program Coordinator, Doctoral Candidate (DIT)

"I've had the pleasure to be Dan's professor in Advanced Java Programming (Data Structures) as part of his BSc of Computer Science degree. This course is among the most challenging (albeit important) courses in the computer science arena and Dan not only mastered the whole content but also excelled in every aspect of that course. Dan's contributions to his friends was priceless. His questions and critical thinking were spot on and above the average. I would definitely recommend Dan to any prospective employer in search of a dedicated, flexible and knowledgeable IT professional."

https://ca.linkedin.com/in/marcbueno