

PETER LOWE

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I am a former scuba instructor and web developer who enjoys problem solving. I love the process of taking an app or feature from concept all the way through to production. I also relish the challenge of picking up new languages and frameworks as needed.

Skills

WEB DEVELOPMENT

Ruby
Rails
Sinatra
Html5
CSS
JavaScript
Jquery
Ajax
PostgreSQL
SQLite
MongoDB
Git
React.js
.Net
VB

VIDEO EDITING

Premiere Pro
After Effects
Audition

3D MODELING AND ANIMATION

Blender3D

Education

Dev Bootcamp

Nov 2015 - March 2016
Spent 19 weeks thoroughly immersed in learning Ruby, Rails, HTML, CSS, JavaScript, Jquery, Ajax and more. I worked closely with various teams to complete challenges, learn new technologies and produce apps. I gained a solid grounding in the skills required for full stack web development. Most importantly, I have mastered the ability to dive head first into new technologies and manage my own learning.

The University Of Manchester

Bachelor of Engineering Mechanical Engineering 2008

The engineering programs at Manchester focus heavily on group projects. This allowed me to develop excellent interpersonal skills and taught me to collaborate effectively with a wide range of people. My studies culminated in a dissertation on the simulation and optimization of tidal stream turbines.

Employment

Reliasoft

Associate Software Engineer

Tucson, Arizona

Nov 2016 to Current

Full stack development and maintenance on two web applications built in asp.NET, HTML5 and Javascript with options for either SQL or Oracle databases. Within a few weeks of joining the company, I became the sole developer on one of the applications. Despite having no previous experience with .net, I was able to quickly familiarize myself with the framework and make significant contributions to the code base. Specific activities include developing new application features, writing original code, refactoring old code, refining processes and fixing bugs.

Sail Caribbean

Video Marketing

British Virgin Islands (BVI)

May 2015 to Aug 2015

Shot, edited and produced a series of promotional videos for Sail Caribbean, a sailing summer camp based in the BVI. Coordinated all production activities in close collaboration to ensure the project was successfully completed on-time, under-budget and to the high standard expected by the client.

Koh Tao Pro Video

Underwater Videographer

Koh Tao, Thailand

Apr 2013 to May 2015

Filmed and edited underwater videos in a range of challenging environments and with tight time constraints whilst ensuring a high quality final product.

Aqua-center Diving

SCUBA Instructor

Flamingo Beach, Costa Rica

Apr 2012 to Jan 2013

Responsible for the training and safety of a diverse range of clientele. Produced daily dive plans that allowed clients to see the best that local waters had to offer whilst staying within their level of skill and training.

NeverDry Video

Underwater Videographer

Bocas Del Toro, Panama

Oct 2011 to Apr 2012

I started out at NeverDry as a trainee and continued on as a full-time employee producing underwater videos for divers and promotional material for local businesses.

Sailing Club Divers

Divemaster/Instructor

Nha Trang, Vietnam

Sep 2010 to Oct 2011

Projects

Robotanist

A user friendly interface for the Jepson Herbarium guide to vascular plants. The Jepson Herbarium is a dichotomous key designed to identify the plants of California produced by Berkeleys Jepson Herbarium. Despite being an excellent resource it is not easy or intuitive to use. With Robotanist we took the data from the Jepson Manual and created a full stack rails app that allows users to easily work their way through the dichotomous key and gives them quick and easy access to the glossary and other important features. I personally led the creation of the web crawling algorithm we used to capture the relevant data from the Jepson website and structure it as a tree in our database. The app was produced with permission from Berkeley by myself and three other Dev Bootcamp students as our final project. Berkeley has expressed interest in meeting with us in the next few weeks to discuss the future of the project.
robotanist.herokuapp.com

Dive Directory

Dive Directory is an open source web app designed to help scuba divers find great places to dive. The user can simply enter a location and dive directory will find dive sites near that location and display them on a map. Users can also post reviews of sites that they have dived and read reviews that other users have posted. I plan to add more features in the near future.
thedivedirectory.co.uk