

Mungo Dewar

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Portfolio: github.com/DewarM
dewarM.github.io

Self-taught frontend developer with a first class top tier degree

15/3 Silvermills EH3 5BF
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Current Role: Frontend Developer, NN4M, Scotland (2017)

Tech Education

CodeClan, Scotland (2017) Immersive 16-week programme

Developed object-oriented software design fundamentals with a strong focus on test driven development, best practices and user experience. Pair programming, group collaboration and agile methodology was present throughout the course.

Projects

forestSim Javascript forest rendered using HTML5 Canvas

Simulated forest to study the visualisation of balance in a virtual forest. Gained vital understanding of Javascript prototype design and how to structure a vanilla Javascript project.

React calculator React calculator app with history panel

Handwritten CSS3 using flexbox model along with Webpack allowed me to write responsive CSS in a component controlled manner. With multiple complex state changes I developed a deeper understanding of setState() function in React. Multiple packages used through npm to aid development and testing such as enzyme and Jest.

Recrite Ruby(Sinatra) CRUD app for record stock management

I developed experience with postgres database and SQL. Hosting on Heroku (PaaS) allowed me to easily integrate deployment into my workflow. I learned how to structure an API service in ruby and how to use my own api on the frontend.

Oppia (OpenSource) Platform for users to create online interactive lessons

I collaborated on this project in multiple ways. Initially helping with minor bug fixes and adding tests. I developed a method for Windows users to contribute more easily through using vagrant. Vagrant provides easy to configure virtual machines. Through this method more windows users were able to effectively collaborate in Oppia.

Other Projects

dewarM.github.io Handwritten HTML/CSS3 using flexbox model, showcases all public projects

twitchTracker Responsive multi-panelled tracking of channels on twitch.com

React twitchTracker Rewrite of twitchTracker using reactJs UI library

CodeFinder Python Flask code search using GitHub's search API

WikiView React Wikipedia API wrapper

Education

University of St Andrews, Scotland (2011-2016)

First class honours MChem Chemistry with integrated year in industry (RSC accredited) degree with modules including physical, inorganic, organic, biological and computational chemistry, also attended optional computer science classes and hackathons.

Technical Skills

Languages Javascript, Ruby, Python, Java, HTML5, CSS3

Frameworks Express, Flask, reactJS, redux, Angular 2

Libraries jQuery, Bootstrap, Materialize

Tools Git, Webpack, enzyme, jest, Vagrant