

# Daniel Gardiner

## Full Stack Developer

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## Profile

I'm soon to graduate from the [Mayden Academy](#) Full Stack Training Course which I undertook to kick-start my career in tech.

Before this, I worked as a Senior Infectious Disease Epidemiologist for Public Health England (PHE) where I had the opportunity to work on some really interesting and exciting projects. For example, I developed a system to follow members of the public potentially exposed to Novichok nerve agent in the 2018 attack and traced suspected Ebola cases during the height of the Ebola crisis in 2014.

Whilst working as an epidemiologist I would actively seek out as many opportunities as possible involving writing code, problem solving and building useful tools. These are the activities I feel truly passionate about and are the activities I want to build a career doing.

**Portfolio** - <https://danielgardiner.github.io/>

**Github** - <https://github.com/DanielGardiner>

## Projects

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### PHP / Recipe finder

[http://bit.ly/recipe\\_finder\\_code](http://bit.ly/recipe_finder_code)

A team project to produce a recipe finder application, users can select ingredients from a list, the selected ingredients are sent to the Recipe Puppy **API** and the returned recipes are presented. This application was created using **PHP** (applying **OOP** and **SOLID** principles), **PHPUnit** to perform unit testing, **Gulp.js** to automate a **SASS** compiler and **MySQL** to store the set of possible ingredients.

### Typescript / Finance calculator

[http://bit.ly/finance\\_calc\\_page](http://bit.ly/finance_calc_page) / [http://bit.ly/finance\\_calc\\_code](http://bit.ly/finance_calc_code)

A solo project to produce a loan repayment calculator, in this project I used **Bootstrap** to style the page, the **Handlebars** library for templating and **Gulp.js** to automatically run a **SASS** compiler and a **TypeScript** transpiler.

## Training

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### Mayden Academy Full Stack Training Course / [Mayden Academy](#)

August-2019 - December-2019

An intensive 4 month full stack training course covering LAMP and MEAN stacks, using industry standard methodologies such as OOP, SOLID principles, design patterns, frameworks, unit testing, git and task automation managers. The primary technologies used were HTML, CSS, SASS, JavaScript, Typescript, PHP, Slim and MySQL. I will also be covering React and Node.js in the coming weeks.

Throughout the course I worked on a mix of greenfield projects and legacy code, working within an agile team where I actively contributed towards sprint planning, reviews and retrospectives. Within these projects I gained experience acting as a scrum master and gained Scrum Master Certification from the Scrum Alliance.

## Experience

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### Senior Epidemiological Scientist / Public Health England

September-2017 - August-2019 (2 years)

Used R/RStudio extensively for data manipulation, visualisation and automation. Other responsibilities included investigating disease outbreaks, conducting research studies, training and managing staff.

### Consultant / World Health Organisation (WHO)

October-2017 - November-2018 (1 year 2 months)

Independently automated the production of seasonal influenza surveillance reports for over 50 European Regions using R/RStudio.

### Epidemiological Scientist / Public Health England

September-2012 - September-2017 (5 years 1 month)

Presented research at national and international conferences, including in Atlanta (USA) and Stockholm (Sweden). Ran multiple R/RStudio workshops and training days. Led on a national legionella risk factor research study securing £50,000 of funding. Produced and presented numerous epidemiological reports for a range of audiences.

## Education

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### MSc Mathematical Biology, Merit / University of Bath

2010 - 2011

Used mathematical modelling techniques to predict the behaviour of complex biological systems.

### BSc, Mathematics, First Class / University of Sussex

2007 - 2010

Covered a broad range of mathematical subjects but most importantly developed the ability to break down a complex problem into discrete logical steps.