

# Jill C. Robinson

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## Software Engineer

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- Molecular Microbiologist turned software engineer specializing in JavaScript
- Aspiring to undertake varied work in a dynamic, close-knit team
- 1000+ hours of coding experience building projects from start to deployment in a short time frame

## Technical Summary

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- Languages: JavaScript, Python, Swift, HTML, CSS
- Servers: NGINX, Express.js
- Databases: MySQL, MongoDB
- Frameworks: AngularJS, Node.js, React.js, Pylot MVC, Flask
- Libraries: jQuery, Bootstrap, Materialize, Socket.IO, Mocha
- Other Technologies: Mongoose, Xcode 8, Git/GitHub

## Projects

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JavaScript with Jill, [youtube.jillcrobinson.com](https://youtube.jillcrobinson.com)

- Recording a series of walkthrough videos whilst building a React app and exploring different parts and concepts of JavaScript.

DirectMe, [github.com/wildlingjill/directme](https://github.com/wildlingjill/directme)

- Collaborated to build a web app that gives the user a suggested destination or activity from the Yelp API, based on their inputs. Completed project in three days. Responsible for building the Pylot MVC back-end, in addition to integrating the Yelp, Google Maps and OpenWeatherMap APIs. Walkthrough can be found at <https://youtu.be/K05Ftgvj06U>.
- Technologies used: Python, Pylot MVC, MySQL, Google Maps API, Yelp API, OpenWeatherMap API, OAuth2, Materialize.

2048, [github.com/wildlingjill/2048](https://github.com/wildlingjill/2048)

- Created a web version of the popular 2048 game, where the objective is to move and combine numbered tiles to reach the final goal of 2048. Built in two days, hosted at [bluesuncorp.co.uk/2048/client/index.html](http://bluesuncorp.co.uk/2048/client/index.html)
- Technologies used: AngularJS, Node.js, Express.js, JavaScript game logic.

Colorvert, [github.com/wildlingjill/colorconverter](https://github.com/wildlingjill/colorconverter)

- A hex-to-RGB color converter app that can take red/green/blue values and convert them to a hex color, and vice versa, whilst also showing a preview of the color. Mocha and Chai testing was used on the server-side to test the code. Hosted at [colorvert.jillcrobinson.com](http://colorvert.jillcrobinson.com).
- Technologies used: HTML5, CSS3, JavaScript, Node.js, Express.js, Mocha, Chai.

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## Education

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- Double Black Belt (Highest Level of Achievement) – Coding Dojo, San Jose, CA, Nov. 2016
  - Immersive coding bootcamp requiring over 70 hours per week, specializing in front-end fundamentals as well as proficiency in three full stacks: Python, MEAN and iOS.
- Ph.D. in Molecular Microbiology – Newcastle University, UK, Jul. 2016
  - John William Luccock and Ernest Jeffcock Studentship for Medical Research
- M.Res. in Molecular Microbiology – Newcastle University, UK, Aug. 2012
  - Graduated with Merit
- B.Sc. Hons in Medical Microbiology and Immunology – Newcastle University, UK, Jul. 2011
  - Graduated with 2:1 and Honours

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## Work Experience

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- Laboratory Demonstrator, Newcastle University, UK, Sept. 2012 – Sept. 2013
  - Responsible for overseeing and leading experiments during laboratory teaching classes
  - Facilitated correct and safe working practices within own and other research areas
  - Supervised and mentored undergraduate students, and assisted in grading student assignments
- Temporary Administrative Assistant, Prima Training Ltd., UK, Aug. 2010 – Sept. 2010
  - Providing data analysis and data entry assistance
  - Displayed the ability to learn new processes quickly and deal with large sets of data in short periods of time
- Undergraduate Laboratory Assistant, Newcastle University, UK, Oct. 2009 – Apr. 2010
  - Assisted with the daily running of a research lab during the absence of a Laboratory Manager
  - Demonstrated the ability to learn new processes quickly by aiding Postdoctoral researchers with experiments and research at short notice
  - Responsible for maintenance of solutions and experimental stock, and sterilising equipment to ensure work could remain ongoing

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## Voluntary Work

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- British Science Festival Volunteer, Sept. 2013
  - Co-organised a two-day event for children, ensuring smooth delivery of a number of sessions
  - Acted as a Public Liaison officer for the events, communicating scientific concepts to lay-audiences
- Soapbox Science Volunteer, Jun. 2015
  - Acted as a Public Liaison officer to help attract crowds to the event
  - Promoted sessions related to Women in Science
  - Acted in a PR role to discuss the subject of Women in Science and Research with members of the public