

Jill C. Robinson

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Software Engineer

- 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

- 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

JavaScript with Jill, 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

- 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

- 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
- Technologies used: AngularJS, Node.js, Express.js, JavaScript game logic.

iMaze, github.com/wildlingjill/maze_project

- Worked in a team of four students to build an iPhone marble maze game, where the user aims to roll a marble through a maze within the time limit to reach the end, avoiding obstacles and collecting items along the way.
- Responsible for building and implementing the maze template with core motion controls, and for the design and layout of the maze.
- Technologies used: Swift 2.3, Xcode 8, Core Motion controls.

Education

- 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

Work Experience

- 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

Voluntary Work

- 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