

Andrew Winterbotham

SOFTWARE ENGINEER

Dublin, Ireland

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Education

Trinity College Dublin

Dublin, Ireland

B.A. ECONOMICS

2009 - 2014

- Courses in Mathematics, Statistics, Econometrics and Economic Theory.

Udacity, Coursera and edX

Dublin, Ireland

COMPUTER SCIENCE, SOFTWARE ENGINEERING

2014 - Present

- Courses in software engineering, object oriented design, relational and NoSQL databases, fullstack development and building scalable web applications, theoretical computer science, programming languages, functional programming and the design and analysis of algorithms from top universities around the world.

Skills

Programming Python, JavaScript (ES6 & Node.js), Ruby, C, Bash, R, Stata

Frameworks Express, Koa.js, Flask, Django, jQuery, React, Bootstrap

Markup HTML5, CSS3, \LaTeX

Databases MongoDB, SQL

Languages English (native speaker), French (intermediate), Spanish (basic)

Other Unix, Git, GNU Emacs, VirtualBox, Vagrant, Docker, Heroku, AWS, RabbitMQ

Experience

Software Design

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March. 2016 - Present

- Employed as a fullstack JavaScript developer, using React, Redux, Node.js, MongoDB and RabbitMQ.
- Worked as part of development team on a large bespoke real time social media management web application.
- Lead backend developer in charge of solely building the backend API.
- Key player in all stages of project life-cycle from design discussions, implementation, product support and bug fixing.
- Various suggestions implemented into company work-flow resulted in higher standards, traceability and transparency.

Udacity Inc.

Dublin, Ireland

CODE REVIEWER

Jan. 2015 - Present

- One of a few top Udacity students chosen to review student project submissions.
- Some of my work has been used as an example of a stellar code review in Udacity's course on how to conduct a code review.

Opensource and side projects

Dublin, Ireland

SOFTWARE ENGINEER

2014 - Present

- Examples of personal projects include a web browser, search engine, a blog/wiki, my personal website (deployed on AWS) and several games including poker, scrabble and an emulator of the popular game 2048.
- These along with other examples of my code can be found on my GitHub profile [here](#).

Honors & Awards

2016	1st place: programming contest with over 27,000 competitors , HackerRank	<i>Dublin, Ireland</i>
2016	92nd percentile for programming/algorithmic skills , HackerRank	<i>Dublin, Ireland</i>
2014	Three academic papers published , Trinity College Dublin Student Economic Review	<i>Dublin, Ireland</i>
2012	Ireland-US Council Scholarship , Ireland-US Council	<i>New York, U.S.A.</i>
2011	Foundation Scholarship , Trinity College Dublin	<i>Dublin, Ireland</i>
2010	Dermot McAleese Prize for Economics , Trinity College Dublin	<i>Dublin, Ireland</i>
2009	Entrance Exhibition Award , Trinity College Dublin	<i>Dublin, Ireland</i>
2009	Top 2% of Irish students (565/600 points) , Leaving Certificate State Examinations	<i>Dublin, Ireland</i>
2006	Charter Day Prize for exceptional academic merit , The King's Hospital School	<i>Dublin, Ireland</i>