Tom Carrick

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━━━━━━━ Experience

February 2016–March 2017	**Software Engineer**, *Seven Bridges Ltd*, London, UK, freelance. Logistics cost-reduction platform for large businesses. Responsibilities and achievements: ○ Backend web & API development ○ Python, Django, Django REST Framework, PostgreSQL, Celery ○ Full rewrite of existing platform ○ Implemented code to read invoices in different formats from different courier companies to a standardised database structure
July 2015–February 2016	**Software Engineer**, *ezhome Inc*, Palo Alto, CA, USA, freelance. Tech-enabled smart gardening service. Responsibilities and achievements: ○ Backend web & API development ○ Python, Django, Django REST Framework, PostgreSQL ○ Deisgned and built RESTful APIs for frontend clients ○ Built backend architecture for a customer information management service
September 2013–April 2015	**Web Developer**, *Calm Digital Ltd*, Middlesbrough, UK. Bespoke web agency building websites for multiple clients. Responsibilities and achievements: ○ Full stack web development ○ Python, Django, PHP, JavaScript, HTML5, LESS, CSS3, MySQL, Twitter Bootstrap, WordPress, Magento ○ Customer support, training and administration ○ Designed and built a standard admin interface for most of the company's websites, greatly reducing development time

Education

2011–2012	**MSc Advanced Computer Science**, *Newcastle University*, *with Distinction*.
2004–2009	**BSc (Honours) Computing**, *Open University*.

Masters thesis

Title	*Detecting Cheating in Online Poker*
Supervisor	Dr Jeff Yan
Description	Developed programs to analyse over 20 million hands of poker and developed algorithms to detect suspicious play and other patterns.
Technologies	Python, Java, PostgreSQL, Neo4j, SPARQL

Publications

Tom Carrick, Awais Rashid, and Paul Jonathon Taylor. Mimicry in online conversations: an exploratory study of linguistic analysis techniques. In *Advances in Social Networks Analysis and Mining*. IEEE/ACM, 2016.