



## EDUCATION

### University of Warwick

Computer Science BSc (**1<sup>st</sup> Class Honours**)

Coventry, Warwickshire

September 2014 – July 2017

**Thesis:** “Development of a social VLE to promote student performance”

- Consistently ranked among top 10 departments in the UK for Computer Science.
- Modules include Machine Learning, Software Engineering & Web Development Technologies.

### Seaford College

GCSEs & A-Levels

Petworth, West Sussex

September 2009 – June 2014

**A-Levels:** Mathematics (**A**), Physics (**A**), Further Mathematics (**B**), Chemistry (**B**), Economics (**A**, AS-Level only).

**GCSEs:** 9 A\*s & 2 As, including Mathematics, English, French, Triple-Award Science & Dual-Award ICT.

- Served as school prefect, encouraging student-staff discussions and helping to tutor physics students.
- RAF Head Cadet for the school's Combined Cadet Force, leading and teaching younger cadets.
  - Graduated the Air Cadet Leadership Course with **Merit** (July 2012).
  - Attained Silver Wings classification Gliding Scholarship at RAF Halton (August 2012).

## EMPLOYMENT

### The Frankland Arms

Waiting & Bar Staff (*Full-Time*)

Washington, West Sussex

June 2016 – September 2016

- Developed client-relation skills through serving and communicating with customers.
- Insight into management of small businesses & importance of flexibility and role diversity within small teams.

### The White Lion (*Chef & Brewer*)

Team Leader, Bar Staff (*Part-Time*)

Radford Semele, Warwickshire

September 2015 – March 2016

- Bar and restaurant management alongside university studies, enforcing 1<sup>st</sup> class time management.
- Strong propensity to acquire new skills and diversify in any assigned role; promoted to team leader within 4 months.
- Attained understanding of finances, from cashing up and reporting profits/losses, and stock management.

## PROJECTS

### A Social VLE to Promote Student Performance

Undergraduate Thesis

Web-Application

September 2016 – April 2017

- Solo development of a feature-rich web-based academic companion tool, serving primarily as a student performance tracker to promote achievement and aid parental involvement in schools.
- Developed in **Ruby on Rails**, using the **RubyMine** IDE, **Git VCS**, a **Heroku** deployment platform & a range of gems.
- Test-driven development ensured a robust system, with user-acceptance tests improving end-user utility.

### Data Cleansing & Pattern Analysis System for Large Datasets

Group Software Development Project

Web-Application

January 2016 – March 2016

- Highly-applicable experience, with random development teams delivering a system to Deutsche Bank (*the client*).
- Front-end developer for a system capable of identifying clusters and communication patterns within an email corpus of over 500,000 messages, visualising the information in a web-application using **D3.js**.
- An **agile** development methodology (**scrum**) was adopted to allow rapid development and testing of new features.
- The developed system was ranked in the top three by Deutsche Bank, notably for the intuitiveness of its UI.

*To view the above projects and more, please visit my website.*

## SKILLS & INTERESTS

**Technical Knowledge:** HTML5 – JavaScript – jQuery – CoffeeScript – D3.js – HighCharts – Boidmovin.js – CSS – SASS – Bootstrap – Ruby on Rails – SQL – PHP – Java – JUnit – C/C++ – Python – Git – Heroku – Linux – Bash/Shell – MVC Architecture – Agile Methodologies – Scrum – TDD – UX/UI – LaTeX/BibTeX

**Software:** JetBrains IDEs (*IntelliJ*, *RubyMine*, *PyCharm*, *CLion*) – Adobe CC Suite (*Photoshop*, *Illustrator*, *Premiere Pro*, *After Effects*, etc.) – Microsoft Office (*Word*, *Excel*, *Access*, etc.) – Unreal Engine 4 – Slack – Trello – Clubhouse.io

**Languages:** English (*native fluency*) – French (*basic*)

**Interests:** Technology – Clean & Intuitive Design – Animation in Film & Art – Video Gaming Culture – Web Design

**Additional Information:** Full, Clean Driver's License – Social & Approachable Personality