

# Reuben G Day

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Computer science undergraduate with experience in software development, Object-Oriented Programming (Python and Java), and a passion for problem solving in uncharted territory.

## Education

- **University of Warwick (2016-2019)** Computer Science BSc(Hons)
  - Dissertation Project** Influence Modelling and Prediction in Social Networks  
Implementation of multiple influence propagation algorithms, as well as a custom active learning algorithm to predict influential nodes in a network using machine learning (Python [Pandas, NetworkX]).
  - Winner** Deutsche Bank AG Software Engineering Challenge  
Virtual assistant artificial intelligence for FTSE100 traders, provides current information for queries, alongside contextual knowledge (Python, Django, SQLite3, HTML, CSS, jQuery, LaTeX).
- **Hele's School (2014-2016)** A Level - Mathematics (A\*), Further Mathematics (A), Physics (A), Chemistry (A), Additional Further Mathematics AS (B)
  - Winner** Award for Highest marks in Mathematics
  - Winner** Award for Highest marks in Further Mathematics
  - United Kingdom Mathematics Trust (UKMT) Senior Team Challenge Regional Level (2014, 2015), Chemistry Olympiad (2015)

## Skills

- **Programming Languages** Major experience with OOP and scripting
  - Primary Languages** Python[Pandas, NumPy, NetworkX], Java
  - Secondary Languages** SQL, HTML, PHP, CSS, C, Assembly,
- **Knowledge Areas** Object-Oriented Programming, Software Engineering (Agile and Plan Driven), Machine Learning Techniques, Linux Command Line, Algorithm Design, Data Structures, Project Management Techniques, Operating System Design, Computer Networks, Databases

## Additional Information

- **Rowing**  
Competed at both regional and university level for Plymouth Amateur Rowing Club and University of Warwick Boat Club, respectively.