# Reuben G Day

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Computer science graduate with experience in agile 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 influencial nodes in a network
        using machine learning (Python [Pandas, NetworkX]).

    **-Winner** Deustche 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).

    Second Class (Lower Division)

· **Hele's School (2014-2016)** A Level

    **-Winner** Award for Highest marks in Mathematics
    **-Winner** Award for Highest marks in Further Mathematics
    **-Competitions** United Kingdom Mathematics Trust (UKMT) Senior Team Challenge
        Regional Level (2014, 2015), Chemistry Olympiad (2015)

    Mathematics (A*), Further Mathematics (A), Physics (A), Chemistry (A), Additional
    Further Mathematics AS (B)

### 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.