

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 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).
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)
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Experience and Skills

- **Silicon Valley International Venture** Selected from a pool of applicants to attend a 10 day insight experience at prominent companies in the San Francisco area.
Insight Days Google, VMWare, Amazon, HP, Upwork, Lyft, EY
 - **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, GitHub/Git, Algorithm Design, Data Structures, Project Management Techniques, Operating System Design, Computer Networks, Databases
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Additional Information

- **Rowing**
Competed at both regional and university level for Plymouth Amateur Rowing Club and University of Warwick Boat Club, respectively. Teaching determination, teamwork, and leadership to achieve a goal.