

SIDDHARTH SRIVASTAVA

siddharth.srivastava@warwick.ac.uk ◇ siddharthsrivastava0501.github.io

EDUCATION

MEng Computer Science <i>University of Warwick, United Kingdom</i> <i>Modules: Functional Programming, Algorithms, Artificial Intelligence, Computational Physics, Electrical and Electronic Circuits</i> <i>Grade: First Class Honours (20/21)</i>	September 2020 - Present
International Baccalaureate Diploma <i>Overseas Family School, Singapore</i> 43/45 IB Diploma points (Higher Level Mathematics, Physics, Economics)	August 2018 - May 2020

EXPERIENCE

Incoming Summer Technology Intern <i>American Express</i>	June 2022 - August 2022
Technology Ambassador at Warwick Engineering Society <i>University of Warwick, United Kingdom</i> <ul style="list-style-type: none">Upgraded the EngSoc PDR progressive web application using axios to fetch event data from an API and display it on the home screen, enhancing user experience	November 2021 - Present
Mathematical Modelling at Warwick Moto <i>University of Warwick, United Kingdom</i> Warwick Moto is a student-led engineering team to build fully-electric race-spec superbike. <ul style="list-style-type: none">Designed algorithms in Python to compute an elevation cycle for the Isle of Man circuit using geographical data and a drive cycleEngineered a 3 degree of freedom vehicle model in Simulink using the vehicle dynamics blockset to simulate longitudinal and lateral movement of the bikeDeveloped an algorithm to convert waypoint data of any racetrack into a steering cycle to simulate the running of a bike on a trackProgrammed a new Electronic Control Unit with two CAN channels based on the Embed E400 Automotive Controller using Simulink and Matlab	November 2020 - Present
Administrator & IT Support at Primrose Hill Surgery <i>National Health Service, Public Health England, United Kingdom</i> <ul style="list-style-type: none">Utilized Pandas and NumPy to perform data analysis on vaccination data at the local vaccination site to enable equitable allocation of fundsPerformed searches on EMIS to sort patients based on criterion to provide specialised careOperated the NHS e-referral service to refer patients to hospitals for advanced careVolunteered at the local vaccination site as a vaccinator to administer over 1000 COVID-19 shotsCoordinated the IT response to manage the Palantir Foundry vaccine ordering platform and Outcomes for Health Point of Care system to ensure smooth operations	July 2021 - September 2021

PROJECTS

STEMM <ul style="list-style-type: none">A Chrome Extension that uses the Deepgram API to control the Chrome browser using voice controlThe project was featured on Deepgram's blog.	JavaScript, Deepgram API
SOULFOOD <ul style="list-style-type: none">An cross-platform mobile application that pulls recipes from an API and allows users to 'like' recipes to save to their profile	React Native, Firebase Auth, Cloud Firestore, Axios
England COVID-19 Dashboard <ul style="list-style-type: none">A cross platform mobile app that pulls data from the UK Government's API and displays graphs showing the latest 6 months of COVID-19 cases and deaths	React Native Chart Kit, Axios
The Chorinator <ul style="list-style-type: none">A web application that allows groups of users to form a 'house' and allocate chores to each other	AJAX, PHP, MySQL

SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, PHP, SQL, MATLAB, Simulink,
Frameworks / Tools: matplotlib, numpy, scipy, pandas, Flask, React, React Native, Beautiful Soup, Tensorflow, Keras