

# JAMES WARD

📍 Birmingham, UK

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🌐 jamwardy.github.io

## EXPERIENCE

### Summer 2019

1 week

Blueberry Consultants • Work Experience • Birmingham, UK

- Developed software to synchronise contacts from multiple email accounts using Gmail and Outlook APIs.
- Improved the efficiency of and added comments to a legacy program for use by future developers

### Summer 2017

1 week

Daden • Work Experience • Birmingham, UK

- Built a UI for a virtual assistant using JavaScript
- Created 3D models and transferred them into Unity for use in a VR application
- Tested VR software finding major and minor bugs and writing up corresponding documentation

### Summer 2017

1 week

Vanti • Work Experience • Birmingham, UK

- Assembled AV equipment for use at the Royal Birmingham Conservatoire
- Aided development of a company Slackbot for admin purposes
- Assisted development of batch files to automate set-up of new devices

## PROJECTS

### Hack the Midlands

- Created a version of the game Pong played using only face detection and presented in front of an auditorium of 300+
- Helped the development of a 3D game in Unity
- Won a prize awarded by Majestic

### Twitter sentiment analysis

- Developed a program to monitor the perception of a topic on Twitter, using tweepy API for Python and nltk library
- Graphically displays the average recent perception to show how perception changes over time

### Google Maps running route maker

- Wrote program to generate a running route of a specified length, using Google Maps distance API

## EDUCATION

**BSc** Computer Science & Mathematics

*University of Edinburgh*  
2020-2024

**A-Levels** – A\*A\*A\*A\*

(Mathematics, Further Mathematics, Physics, German)

**GCSEs** – 9 9s, 1 8 (including Mathematics & English)

*Bishop Vesey's Grammar School*  
2013-2020

## SKILLS

- **PYTHON**
- **HTML/CSS**
- **JAVASCRIPT**
- **GIT**
- **FLASK**
- **BOOTSTRAP**
- **GERMAN (CONVERSATIONAL)**