

# [Benjamin Francis Welford]

## Software Undergraduate

To work in a highly professional and competitive environment where i can learn and gain practical experience that will help me improve my skills.

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## **WORK EXPERIENCE**

### **Website Development**

#### **Queen Elizabeth College**

2018 - 2019 ,

*I spent 2 years learning HTML, CSS, & JavaScript, using this knowledge to develop websites with basic to intermediate functions; examples include a photography website to showcase an artist's work.*

*It was mainly here that I also studied copyright law & legislation regarding the computing industry.*

Contact: [qe@geliz.ac.uk](mailto:qe@geliz.ac.uk) - main email

### **Rapid Application Development**

#### **Teesside University**

2021 - 2022,

*I spent 6 months total alongside my own time using Mendix & PowerApps to rapidly develop functioning apps for a mock client.*

*I am currently learning & practicing with WordPress to develop websites for mock clients.*

Contact: [t.alwadan@tees.ac.uk](mailto:t.alwadan@tees.ac.uk) - tutor email

### **Database Development**

#### **Teesside University**

2021 - 2023,

*I spent 8 months learning & practicing with SQL Server to develop backend services for front end applications. Examples include building a database to work with my PowerApps applications in my other modules.*

Contact: [m.nawaz@tees.ac.uk](mailto:m.nawaz@tees.ac.uk) - tutor email

## **CERTIFICATES**

### **Level 1 Japanese**

*In this course I learned the basics of the Japanese language and was able to hold basic conversation during my time in the course. I also practiced the 3 main alphabets alongside the grammatical structure.*

### **Introduction to MongoDB**

*This was an online certification I completed in full achieving the highest score possible. It taught me the basics of MongoDB, how to setup their software & my own cluster and how to do basic to intermediate manipulation of the database.*

## **EDUCATION**

### **Bsc Computing**

#### **Teesside University, United Kingdom**

*2020 - Present,*

*Southfield Road, Middlesbrough TS1 3BX*

- *(pending) - IS Developer*
- *(pending) - Open Source Business Solutions*
- *67% - Rapid Development Systems*
- *50% - Relational & NoSQL Databases*
- *(pending) - Web Apps and Services*
- *58% - Rapid Application Development*
- *62% - Computational Problem Solving*
- *53% - Network Architecture*
- *73% - Business Systems Development*
- *40% - Python Programming*
- *43% - Systems Design and Databases*

### **A Levels**

#### **Queen Elizabeth Sixth Form College**

*2017 - 2019,*

*Vane Terrace, Darlington DL3 7AU*

- *A\* equivalent - IT*
- *C - Textiles*
- *Technical Diploma in Media*
- *Level 1 certificate in Japanese*

### **GCSEs**

#### **Bedale Secondary School**

*2014 - 2017,*

*Vane Terrace, Darlington DL3 7AU*

- *C - A 8 GCSEs*

## SKILLS

- **HTML, CSS, JavaScript**
- **SQL Sever**
- **C**
- **C# .NET**
- **WordPress**
- **PowerApps**

## PORTFOLIO

### Student work Power App

*This app allows users to look through the work of students and to filter for said work using key terms, student ID, etc. It features Twitter integration and also allows users to email a student whose work they find interesting.*

### Calculators

*These are some calculator programs I made in C and Python whilst practicing those languages. They allow for basic functions such as addition, subtraction, multiplication, in addition to finding the radius of circles.*

### Random Number Generator

*This was a program I wrote in C whilst practicing the language. It's used to generate a series of random numbers within a user specified range, and then insert those random numbers in sets into a series of graphs.*

### Spreadsheet Automation

*This program was one I developed during my practice with the Python programming language. It allows me to add, remove, and manipulate the data withing an Excel spreadsheet in addition to generating graphs.*

## LANGUAGES

English



Japanese



## INTERESTS

Video Games

## **References**

*More references are available at request*

t.alwadan@tees.ac.uk – Dr. Tariq Alwadan

*Module leader at Teesside University*

c.j.noakes@leeds.ac.uk – Prof. Cath Noakes

*Character reference, well known acquaintance*