

# JustinYang

Third Year Undergraduate Student

## links

justin@justinyang.co.uk  
http://justinyang.co.uk

## languages

Native English  
Fluent Chinese  
Mandarin

## programming

Java  
Python  
C  
SQL

## education

### 2016-2020 **BSc Computer Science and Mathematics**

University of St Andrews

Current modules: Mathematics, Computer Science

First year modules: Mathematics, Computer Science, Economics

Second year modules: Linear Mathematics, Combinatorics and Probabilities, Computer Systems, Abstract Algebra, Statistical Inference, Data Structures and Algorithms

Third year: Data Encoding, Human Component Interaction, Databases, Computational Complexity, Artificial Intelligence, Component Technology  
Expected Grade: 2:1

### 2010-2016 **High School Degree**

Williamwood High School

Advanced Highers: Maths (A), Physics (B)

Highers: Maths (A), English (A), Computer Science (A), Physics (A), Chemistry (A), Chinese Language (Mandarin) (A)

## experience

### Jun-Aug 2018 **University of St Andrews School of Computer Science**

Internship

Built data analysis software for a research team at the University of St Andrews School of Medicine as part of their research towards antibiotic resistance.

Mainly developed the back-end part of the system using Python. This involved reading data from their research device using, putting the data into a data-frame and building an application programming interface (API) so that other applications can use this API

### Jun 2018 - Now **Tanon Thai, St Andrews**

Waiter/Bar staff

Waited tables as well as working at the bar.

Trained new staff so that they are familiar with the job

### May 2018 - Now **St Andrews Malaysian International Group**

Vice President

As vice president I organised events for the society and I was responsible for negotiating partnerships with potential sponsors.

### Mar 2018 - Now **University of St Andrews Table Tennis Club**

President & Club Captain

As president I was responsible for the activities of the club including training sessions, social nights and organising transport to play competitive matches across the Scotland.

As club captain, I was responsible for team selection to represent the university as well as undertaking a coaching role, training members of the club to improve their table tennis skill.

### Jun-Aug 2016 **Emax Systems, Glasgow**

Internship

Worked with Visual Basic and SQL Server.

Working with developers to co-develop software to fix issues.

General customer support for phone enquiries related to database and company built software.

Aug 2014 **TÜV NEL, East Kilbride** Work Placement  
Worked with Visual Basic to develop software to quickly calculate equations such as the Bernoulli Equation.

Sep 2013 - Mar 2016 **Oxfam Clarkston, Glasgow** Volunteer  
Over 400 hours of experience working at Oxfam.  
Inventory control for book shelves, responsible for sorting donated books, organising different shelves and maintaining a tidy and safe environment

## projects

Dec 2016 **British Heart Foundation Code for Good Project** JP Morgan Code for Good  
Created a platform for British Heart Foundation (BHF) which included an Android app, database as well as a web platform to manage items donated to BHF.  
I was the project team leader, worked on all aspects of the project including the structural design of the platform, the overall user interface and delivering the final presentation to a panel of judges

Oct 2016 **Hack The Image** St Andrews Hack the Bubble  
Created an application which would let users take photos or use photos from a gallery and allows users write a message which would be encrypted into the image. This is called steganography.  
I was responsible for the front end (GUI) of the application which I created using Java.

## awards

Dec 2016 **Code For Good Winner** JP Morgan Code for Good  
Received first place prize in the JP Morgan Code for Good challenge.

Nov 2016 **200 Hour Saltire Award** Scottish Government  
Award for volunteering over 200 hours at a Non-Governmental Organisation

May 2017 **Duke of Edinburgh Gold Award** The Duke of Edinburgh Committee  
Obtained the Gold Award for the Duke of Edinburgh challenge.

Oct 2013 **United Kingdom Coaching Certificate Level 1** UK Coaching  
Obtained a level 1 coaching degree from UK Coaching

## interests

### 1. Table Tennis

- Represented East Kilbride Table Tennis Club, West Of Scotland and University of St Andrews at various table tennis competitions
- I also served as the East Kilbride Table Tennis Club captain between 2014 and 2016

- I have coached players from the University of St Andrews second team as well as younger players at East Kilbride Table Tennis Club

## **2. Badminton**

- Represented Williamwood High School Badminton Club and Greenbank Parish Church Badminton Club at various district competitions

**References available upon request.**