

# JONATHAN K. Y. TANG

jonathankytang@gmail.com | jonathantang.co.uk | github.com/jonathankytang

## EDUCATION

*Goldsmiths, University of London*

*September 2017 – Present*

### Academic Qualifications

#### **BSc (Hons), Computer Science**

Modules taken: Fundamentals of Computer Science, Introduction to Programming, Web Development, Mathematical Modelling, Problem Solving for Computer Science

### Activities

1<sup>st</sup> XI Hockey (2018-19 Incoming Treasurer), Chamber Choir, Hacksmiths Tech Society

*University College School, Hampstead*

*September 2006 – June 2017*

### Academic Qualifications

#### **A Levels**

3 A Levels in Mathematics, Physics, and Computer Science

**June 2017**

### GCSEs

12 iGCSEs/GCSEs (incl. A\*s in English Language, English Literature, Mathematics, Chinese, and ICT (Double Award))

June 2015

### Music Qualifications

#### **ABRSM Grade 8 Singing**

**June 2016**

### Prizes & Honours

President of Sixth Form Common Room

Deme Captain (Head of House)

Allan Woolley Prize (Paulatim Prize)

Bacton Prize for Community Action

Silver Duke of Edinburgh Award

September 2016 – June 2017

September 2016 – June 2017  
2017

2013, 2014, 2015, 2016, 2017  
September 2015

### Activities

1<sup>st</sup> XI Hockey and Cricket, Chamber Choir, Concert Band, Acapella group leader

## EMPLOYMENT HISTORY

*London Football Association*

### **Level 7 Referee**

**July 2014 – Present**

Representing the London Football Association and the Independent Schools Football Association

## PROJECTS

*Timetable Optimisation Software ([link](#))*

For my A Level Computer Science coursework and whole-school football competition, I built software using Python and TkInter to schedule matches for the competition under strict conditions. Registration details from the teams are inputted and the timetable of matches are outputted

*European Union and Global Trade Visualisation ([link](#))*

Using JavaScript (p5.js, d3.js, c3.js), HTML, CSS, Python, and Google Maps API, my partner and I visualised over 90+ datasets from Eurostat on imports and exports of goods and services within the EU28, along with other key international trade countries

## VOLUNTEERING EXPERIENCES

### *University College School Community Action Committee*

#### **Chairman**

**September 2016 – December 2016**

Oversaw 31 events, leading a team of eight people, raising over £30,000 for six charities in seven weeks

#### **Director of Football Competitions**

**October 2009 – December 2016**

Founding member, organized a whole-school football competition involving over 250 people annually, and leading a team of seven people raising over £1050 in November 2016.

#### **Director of Communications**

**September 2015 – July 2016**

Overseeing the school's internal webpage, Twitter, and Facebook page.

### *FA Football Futures*

#### **Director**

**January 2014 – July 2014**

Lead and implemented a structure in the school's football system

## WORK EXPERIENCE

### *John Lewis Partnership, London*

#### **Retail Data Analytics and Insight**

**August 2016**

Working as an analyst, creating reports on in branch vs. online sales in under-performing catchment areas. NPS survey feedback on navigational aspects of the website and using data from Omniture

### *Bank of East Asia, London*

#### **Finance**

**July 2016**

Working in IT, Internal Audit, Retail, Financial Control, Loan Support Services, Compliance & Risk Management, Treasury, and Business Development. Delivered marketing presentation to Head of Marketing

### *Moorfields Eye Hospital, London*

#### **Pharmacology**

**August 2015**

Shadowing the Chief Pharmacologist

### *GlaxoSmithKline, Ware*

#### **Device and Software Engineering**

**February 2015**

Shadowing Mechanical and Software engineers

### *Aves Optometrists, Ware*

#### **Optometry**

**February 2015**

Shadowing Optometrists and Technical Services Manager

## COMPUTING SKILLS

Programming Languages: Python, JavaScript

VCS: Git

Markup Languages: HTML, CSS, LaTeX

Cloud Platforms: AWS

Operating Systems: MacOS, Windows

Applications: MS Office

## LANGUAGES

Cantonese Chinese – Bilingual Proficiency