



OLIVER BINNS

## PROFILE

I am a keen, hard-working and reliable Integrated Masters Student of Computer Science at the University of York. I am seeking a graduate role, beginning in the second half of 2018. During my degree I have developed my background knowledge in a variety of topics such as programming theory, artificial intelligence and computer vision. I am always interested in new challenges and ready to learn.

## AWARDS

### **WWDC Scholarship 2016**

Awarded for my Sunscreen iOS app.

### **Amadeus STaR Award**

### **Duke of Edinburgh Awards**

More details on the next page.

### **WWDC Scholarship 2015**

Submission available on [GitHub](#).

### **Cisco Human Networking Award**

Awarded to cloud-nine,  
a Young Enterprise Company.

## LANGUAGES

-  Swift
-  Java
-  PHP
-  Python
-  C#
-  JavaScript
-  Objective-C

## GET IN TOUCH



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## EDUCATION

### **Computer Science with Year in Industry (MEng), University of York, 2013 -**

Currently on track for a First or high 2:1. Throughout my studies, I have developed a wide-ranging knowledge of Computer Science generally. I have gained both theoretical and practical experience in a variety of topics including Software Engineering and Testing, Coding Theory, Artificial Intelligence (Evolutionary Computing, Neural Networks and Statistical Machine Learning), and Functional Programming. My dissertation project topic is Parallel Programming Tools for exploring Immune System Development.

Outside of my studies, I have played a significant role in many groups, including helping to showcase the department at open days, conducting Vanbrugh College Chamber Choir and being the Film Coordinator and Chief Projectionist at York Student Cinema.

### **The North Halifax Grammar School, 2006 - 2013**

#### **A2 Levels:**

Electronics: A

Mathematics: A

Physics: B

Further Mathematics: B

#### **AS Levels:**

Computing: A

Chemistry: B

## WORK EXPERIENCE

### **Amadeus Services Limited, Software Developer (Contractor), Dec. 2016 -**

During my final year at university, I am working part-time to develop a new tool in Java. The tool will compare XML aircraft data exported from the Amadeus Flight Management database, it will then identify significant changes to the data and check them against reference tolerances provided by the manufacturer of the aircraft.

### **Amadeus Services Limited, Software Developer (Intern), Jul. 2015 - Sep. 2016**

I took a 12 month internship at Amadeus as part of my degree. I was responsible for the maintenance and further development of a web app, written in JavaScript and PHP. The app is used by project managers and database engineers for tracking the updates of aircraft documentation data. During my time at Amadeus, I received a Special Thanks and Recognition (STaR) Award for the deployment of an acronym tool, written in C#, which interfaces with an online MySQL database to retrieve a crowdsourced list of acronyms. Users can search for the meanings of thousands of acronyms used within the company. This was an idea I suggested, designed and implemented myself and has been well received by employees in offices worldwide.

### **Vanbrugh College JCR, Communications Vice Chair/Web Officer, Dec. 2013 - Sep. 2015**

In Dec. 2013, I was appointed as web officer at Vanbrugh College. I was responsible for the creation and maintenance of the college website. I also organised our successful bid for a college camera from the University's Vice-Chancellor's Initiative Fund. In Dec. 2014, I was elected as Vice Chair for Communications. In this role I was responsible



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## HOBBIES

### Music

I have attained ABRSM awards to Grade 8 for Singing, Grade 7 for Violin and Grade 5 for both Piano and Music Theory.

I was a committed member of the Halifax Minster Choir from 2002 until 2013 when I moved away for university, even appearing in several television and radio appearances. I have also previously been a member of the University of York Choir and University of York Concert Orchestra. Recently I have been conducting the Vanbrugh College Chamber choir.

### Duke of Edinburgh Awards

I have achieved all three tiers of award (Bronze, Silver and Gold) as part of the Duke of Edinburgh award scheme. For each award you must complete certain requirements within four sections- volunteering, physical activity, learning a skill and completing a group outdoor camping expedition. In order to attain the Gold Award you must also attend a residential course.

## REFERENCES

### Ms. Sonia Khediri

- Unit Manager, Amadeus Services Ltd.
  - +44 2089 906522
  - sonia.khediri@amadeus.com

### Dr. Richard Paige

- Supervisor, University of York
  - +44 1904 325599
  - richard.paige@york.ac.uk

for managing the communications team and thereby overseeing all communication between the college committee and the students we represented. I interviewed and appointed several positions including publicity officer and photographer.

### T.G.I. FRIDAY'S, W/W (Waiter), Aug. 2012 - Apr. 2015

### cloud-nine, Company Secretary/IT Consultant, Sep. 2011 - Jun. 2012

I co-founded a Young Enterprise company called [cloud-nine](#). The company was aimed at reducing the large amount of time that small children spend on computers and increasing motor skills and creativity. As Company Secretary, I was mainly responsible for taking minutes during our weekly board meetings, but I also organised the creation of our end of year Company Report. As an IT Consultant, I was responsible for the company's website and various other graphic design projects, including transforming the company's own typeface from a paper sketch to a final true-type font using Adobe Illustrator.

Throughout the year, I was part of an award-winning sales team at various high-profile shopping centres. At the West Yorkshire Young Enterprise Final in May 2012, cloud-nine was awarded for both Best Report & Accounts and Innovation & Enterprise. I singlehandedly produced our bid for the Young Enterprise Human Networking Award for the United Kingdom, 2012, sponsored by Cisco Systems, which we won.

## PROJECTS

### Solo Projects



**York Colleges**  
Developed for colleges at the University of York. Available for [iOS](#) (Swift), [Android](#) (Java) and [Web](#) (JavaScript) with a back-end API (PHP, MySQL).



**Codepad**  
Available for [iOS](#) (Swift). Custom built Syntax Highlighting engine. Integrates with iOS 11 Files app. Supports iPad as well as iPhone.



**General Election 2017**  
Helps users to decide how to vote. iMessage stickers allow users to encourage their friends to vote. Available for [iOS](#) (Swift).



### Team Projects

**Sunscreen**  
Collaboration with designer Sophie Copley. Available for [iOS](#) (Swift). Utilises Apple Push Notification Service and Wunderground API.



**WWDC Scholars**  
Collaboration with other scholarship winners. Available for [iOS](#) (Swift) and [Web](#) (PHP, JavaScript). Utilises Parse Server. This app was featured on the conference live stream.



**Little Sparks Hospital**  
Collaboration with designer Sophie Copley. Custom Wordpress [website](#) featuring JQuery animation.

## HACKATHONS

### Google #HashCode, University of York Hub, Feb. 2017

2 person team. Placed top of hub, #685 in the world.

### Amadeus Services Ltd., Internal Hackathon, Apr. 2016

Worked with another developer and an implementation engineer to develop a native mobile version of the Amadeus desktop check-in application allowing check-in agents to perform tasks such as amending booking details on the go.

### TechCunch Disrupt, London, Dec. 2015

I helped build the front end of a context-aware media content recommendation app, named [MyVibe TV](#), in a team of 6 which included a Data Analyst and a UX Designer.