

William Parsons | Curriculum Vitae

2202 Distillery Tower, 1 Mill Lane, London, SE8 4HP, United Kingdom
☎ +44(0) 7443 503194 • ✉ wdsparsons@gmail.com • DOB: 23/12/94

Personal Profile

A third year student studying Computer Science at the University of Warwick. Ambitious and enthusiastic with a drive to better improve their understanding and skills in finance, technology and business infrastructure. Taking a year out in industry to gain real world experience and take on new challenges while improving and applying existing knowledge.

Education

University of Warwick

BSc (Hons) Computer Science
Expected Grade: First Class

Coventry, United Kingdom

2013 – Present

Peter Symonds College

GCE Advanced Level
A* - Computing, A* - Mathematics, A - Physics

Winchester, United Kingdom

2011 – 2013

The Romsey School

GCSE
A* - Maths and Physics, A - Chemistry and Biology, B - English Language, English Literature, Business Studies and RE and Citizenship, Merit - Diploma in Digital Applications

Romsey, United Kingdom

2009 – 2011

History of Employment

BANK OF AMERICA MERRILL LYNCH

Technology Analyst

London, United Kingdom

June 2015 – Present

A intern in Global Markets Operations and Technology, specifically Global Wealth and Investment Management, as an application developer. Working on internal web based solutions in C# often under an ASP.net MVC architecture. Projects are designed using both plan driven and Agile methodologies.

Responsibilities: Sole developer for team management solution, managing personal time allocation and resources. Developing a deeper understanding of investment banking and technologies role within it and also how development works in a real world situation.

DEPARTMENT OF COMPUTER SCIENCE

Headstart Student Coordinator

University of Warwick, United Kingdom

July 2014

An academic and residential tutor to students transitioning into year thirteen. Students attended the event to gain a better understanding of university life, what a degree in computer science consists of and for help with interviews and personal statements.

Responsibilities: Providing help and offering hints to guide students to solutions during the variety of academic sessions. Role developed skills in management, teamwork, and improved understanding of core computer science concepts.

WHERE THERE'S A WILL CHARITY

iOS Developer

Romsey, United Kingdom

June 2013 – Sept. 2013

Developed an iPad application to allow intubated patients on the intensive care ward of Southampton General Hospital to communicate more easily with doctors, nurses, friends and family.

Responsibilities: Assessing the current system to identify points that could be extracted and the features on the devices available to best assist the user. Appreciating the constrained mobility and awareness of the user offering simpler controls and ease of use to improve usability. In addition, attending meetings with staff and past patients to receive feedback and to carry out user testing.

Technical Skills

Languages: C, C#, OBJECT C, JAVA, JAVASCRIPT, PHP, PYTHON

Operating Systems: Linux - Redhat Variant, Microsoft Windows - Multiple Variants, OS X

Authoring and Design Tools: Microsoft Office Suite, BibTeX, LaTeX, Visual Studio

Projects

Optimisation Project - March 2015:

Analysed and improved a piece of scientific code, which performed the computation for an NBody simulation, by identifying the weakest points of the code and replacing them with more efficient operations. Optimisations included an algorithmic change from particle to particle to Barnes Hut, intrinsics, multiple code refactors and multi threading.

FX Market Manipulation Web Application - March 2015:

Working in a team we created a website and backend server which displayed information on market trades and communication between traders. The aim was to identify and indicate any possible indication of market manipulation. The project was created with a mix of technologies including Python and JavaScript

Packet Sniffer - Dec 2014:

Created a packet sniffer in C to identify incoming traffic. Any packets that might be malicious were marked and a report was created at the end of the program running. To improve performance a thread pool was created, incoming packets were then allocated to the thread with the least amount of current work.

Ping Pong Game - March 2014:

Successfully completed Ping Pong project for first year module, Computer Organisation and Architecture. Created a game of ping pong on an oscilloscope using C and an ARM control box. Worked as part of a team of three to create the paddles controlled by players, a moving ball and a scoring system.

Bill Splitter Website - March 2014:

Created a Bill Splitter web application using PHP and JavaScript for first year module, Web Development Technologies. Application allows users to join groups and keep up to date with bills and payments.

Communication Application - July 2013 – Sept 2013:

Created a communication iPad application for Southampton General Hospital Intensive Care Unit. The app allows intubated patients to request useful objects or people, type out questions or messages, and use a diagram of a body to indicate pain.

Positions of Responsibility

First Year Cousin: As a contact point for new first year students entering the Department of Computer Science, allowing them to ask questions and helping them settle into university life.

Open Day Representative: Representative for the Department of Computer Science on general university open days and departmental invitational open days. Involves talking to prospective students about life in the department and at university in general.

Hobbies and Interests

An active member of a number of societies at university including Computing, Economics, History and RAG, giving an opportunity to meet new people. Being well traveled from an early age also provided an understanding and appreciation of other cultures and backgrounds. Also a highly active volunteer for the charity Where There's A Will, helping to fundraise and staff public events.

Has a keen interest in current technology often spending time reading about new developments and advances. Interest began at an early age when appearing on BBC's Newsround as a technology presspacker. Also enjoys spending time viewing many forms of media, including television and film.