ALFIE J. PALMER
Bromley, Kent
Telephone: 07913 039571
Email: alfiejpalmer@alfiejpalmer.co.uk
Website: http://www.alfiejpalmer.co.uk/

I am a proactive, innovative individual who enjoys formulating solutions to aid the solving of complex problems. I'm passionate about computing, mathematics, and more recently - quantitative finance. I have a thirst for engaging with new projects, technologies, and ideas which motivate me to further improve upon my skillset. People that I've worked with say that I am a team player and I feel a real sense of achievement when I can help other people. If I can make a positive difference and learn new skills at the same time then I am committed, attentive, and extremely focused.

EMPLOYMENT HISTORY

Arrowgrass Capital Services   October 2016 - Present
Senior Software Developer (C#, .NET, SQL, XML, JSON, REST, Azure, Excel/VBA, BQL)

Actively engaged with a C# GUI (WinForms) application and project to manage M&A (Merger and Acquisition) deals. I wrote both the front and back-end (service) of the tool from the ground up
Responsible for an automated process which synchronised sensitive user data from our HR system to the Active Directory (AD)
Wrote various services (for Events, Securities, Watchlists) on the Microsoft Azure Service Fabric Platform
I wrote a spreadsheet in Excel with BQL for a Credit Trader (for Ticker vs CDS Index linear regression analysis)
I wrote an application to capture and record target price predictions (from traders and analysts) for various securities
Created an automated process to manage the downloading and importation of Bloomberg back-office data files
Wrote a tool to automatically create (and assign) JIRA tickets from an email inbox
Responsible and trusted to cover the nightly batch and price-snap procedure periodically

McDonald's   July 2014 – September 2015
Technical Analyst (C#, C++, C, XML, SOAP, XML)

I taught myself the C# programming language and utilised it to create a selection of back-office tools
Responsible for completing a daily sales report, of which I later converted into an automated tool
Engaged with the restaurant solutions team and back-office team to deliver distributed software rollouts across the estate
Investigated, engaged, and found solutions to problems which arose throughout stores across the country
Created a demo showcasing the power (and cost-efficiency) of converting the current point-of-sales architecture into a virtualised system. I presented the innovation to the heads of department and UK technical director
Created a website to provide teaching videos to help store managers train new recruits

Roll7 (http://www.roll7.co.uk/)   July 2012 – August 2012
Website & Games Development – Work Experience (HTML, CSS, PHP)

Set up and installed a LAMP server from scratch on a local Linux box
Learnt the basics for developing my own personal portfolio website on top of a content management system

QUALIFICATIONS

Computer Science with Games Technology BSc, City University London.   Graduated: July 2016
Grade: First Class with Honours (Percentage: **84%**)

Programming in C++ – **1st**	Object-Oriented Analysis and Design – **1st**
Programming in Java – **1st**	Systems Architecture – **1st**
Functional Programming – **1st**	Networking and Operating Systems – **1st**
Games Technology – **1st**	Business Computing Systems – **1st**
Advanced Games Technology – **1st**	Software Engineering – **1st**
Computer Graphics – **1st**	Professional Development in IT – **1st**
Digital Signal Processing & Audio Programming – **1st**	Professional Placement and Career Development – **1st**
Mathematics for Computing – **1st**	Team Project – **1st**
Data Structures and Algorithms – **1st**	Individual Project (Dissertation) – **1st**
Computation and Reasoning – **1st**	Advanced Programming: Concurrency – **2:1**

4 A-Levels & 1 AS-Level Graded A-D, including: Mathematics (**A**), Information Technology (**A**), Further Mathematics (**B**), Physics (**D**), and Spanish AS (**C**).

13 GCSEs Graded A*-C, including: Physics (**A***), Chemistry (**A***), Biology (**A**), Mathematics (**A**), Statistics (**A**), ICT (**A**), English (**A**), Graphics (**A**), Geography (**A**), Spanish (**A**), Enterprise & Employability (**A**), Religious Studies (**B**), English Literature (**C**).

KEY SKILLS & EXPERIENCE
C# (with .NET Framework)

Various Tools & UI Projects (outlined under employment)	Contactless Sales Handling (for Barclaycard)
One in 5 (Game / Unity Engine)	Sales Report Generator (McDonald's)
Natantis (Game / Unity Engine)	Jira Mailbox Processor
SQL Transaction Toolkit	Events Manager (M&A events/pricing handling)

C++

ZEngine – 3D Game Engine (OpenGL / Bullet / SDL2)	Virtualised PoS System (Linux, Qt Framework)
Asteroids++ (Game)	Object Recognition & Planar Tracking (OpenCV)
Asteroid Rain (Game)	Augmented Reality (AR) Demo Application
When the Sky Clears (Game)	Raspberry Pi Video-Wall
Wire Racer (Game)	OPOS, Low-Level Cash Drawer Wrapper

Java

Jario (Game) Rigid-body demo (JBox2D)	Garage IT System (Swing API)
Air-Ticket Support System (Swing API)	

Web
Personal portfolio website (http://www.alfiejpalmer.co.uk/) and sub-domain (http://www.tmrd.alfiejpalmer.co.uk/) which used to host "The Mathematics Revision Directory."
Experience with: HTML5, CSS3, MySQL, SQL Server, Wordpress, and WebGL

Other Skills

Visual Studio (Software Development - Windows)	Scripting (Batch / Bash / PowerShell)
Microsoft SQL Server (Database)	VirtualBox / VMware Workstation (Virtualisation)
Adobe Photoshop (Design)	Agile (Methodology)
Haskell (Programming Language)	JIRA (Issue Tracking)
GCC / Qt (Software Development – Linux)	DevExpress Toolkit (C# UI Programming)
Microsoft Office Suite (General)	Git (Version / Revision Control)

Taking a leading role
Team leader for "Natantis", a game developed as part of the Global Game Jam 2016 hackathon
I was the project manager for the Team Project module at university. I was responsible for being the primary means of communication, keeping the team organised (and motivated), and collating the documentation generated as a result
I was employed to take a tutoring role for Mathematics and lead after school lessons to coach top-band GCSE students for over two years

Planning and Organising
Delivered a project pitch at Made@City after my dissertation was nominated for an award as an exemplar project
I won a prize for my effort and professionalism when delivering a presentation about my industrial placement year; the presentation was delivered at the university for a poster presentation evening.
I took part in a computer science and games development workshop (Widening Participation and Awareness) for 11-12 year olds at City University London
Selected to be part of a Q&A panel in which I delivered a speech to first year students about my work placement
I planned, created, and presented an internet e-safety workshop for parents at The Ravensbourne School
Committed my time on Saturdays to coaching and supporting children aged 10-11, to teach them the fundamentals of animation and website design

INTERESTS
Quantitative Finance
Microcontroller programming
Code optimisation; profiling and making modifications to improve performance and efficiency
Workflows and process automation
Part of the British Computer Society (BCS)
5th Kyu in Wadō-ryū Karate
Guitar – self taught

REFEREES
Available upon request