ANDREW BIGGINS
Software Engineer

Clean code enthusiast with industry experience. Specialises in C# and the .NET Framework. Also has experience working with Java and Python.

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PROFESSIONAL EXPERIENCE

Renishaw PLC
(July 2019 – July 2020)
Software Engineer
Responsibilities and experiences included:
- Assisting in the development of the latest version of Renishaw's Advanced Diagnostics Tool View using C#, .NET Core and XAML
- Code restructuring to adhere to the SOLID principles of object-orientated programming
- Managing tasks using Microsoft's Team Foundation Server and Azure DevOps
- Use of git configuration management and source control
- Liaising with marketing engineers to gather requirements

EDUCATIONAL DETAILS

University of the West of England
(September 2017 – present)
Software Engineering for Business BSc
Modules completed:
- Introduction to Object-orientated Systems Development (95%)
- Principles of Computing (86%)
- Information Systems Development (84%)
- Information Practitioner 1 (76%)
- Design and Analysis of Data Structures and Algorithms (89%)
- Data, Schemas and Applications (82%)
- Object-orientated System Developments (84%)
- Information Practitioner 2 (71%)
- Professional Experience (85%)

City of Bristol College
(September 2016 – July2017)
Access to Higher Education Diploma in Business Studies
Modules included:
- Maths for Computing – Algebra and Graphs (distinction)
- Business Operations Management (distinction)
- Financial Accounting (distinction)
- Calculus and Further Calculus (distinction)
- Parametric and Non-parametric Hypothesis Testing (distinction)
- The Nature of Functions (distinction)
- The Power of Algebra (distinction)
- Use of Statistics (distinction)

TECHNICAL SKILLS

Programming
C#, XAML, .NET Core, Java, Python, PHP, HTML5, CSS3

Other
Git/source control, Excel, Word

PROJECTS

Gap Trader
andrew-biggins.github.io/gapTrader

- Built from scratch in Visual Studio as a WPF application using C# and XAML
- Uses an MVVM design pattern
- Model and View-models target .NET Core to support future cross-platform implementation
- Allows users to back-test trading strategies on stock market indices
- Searches for the most profitable strategies
- Generates statistics and metric on the strategies
- Uses a plotting library to display the data in graph form

Trade Journal
andrew-biggins.github.io/tradeJournal

- Shares code with Gap Trader
- Can be a combined or stand-alone application
- Allows users to record and track trades made on the financial markets
- Trades are editable and sortable by any criteria
- Filters and key metrics can analyse and fine-tune trading performance and strategies
- Data can be exported as CSV files for use in Excel

ADDITIONAL INFORMATION
- City and Guilds certificates in Computer Programming and Visual Basic
- Three Microsoft Certified Professional Certifications
- Ten GCSEs Grade A-D including Bs in English, Maths, and Science
- AS-level in Discrete Maths
- Certified portable appliance tester
- Keen interest in sport, fitness and nutrition
- Sandy Balls Leisure Club Indoor rowing champion