

# Jonathan Ruffles

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🐙 <https://github.com/pippinmole/> 🐦 <https://twitter.com/pippinmole>

## Education

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09/2021 – Present  
Sheffield, UK

**Software Engineering with Placement Year (BEng), University of Sheffield** 📄

- First Year Overall Result [2:1]
  - INTRODUCTION TO SOFTWARE ENGINEERING [1:1]
  - FOUNDATIONS OF COMPUTER SCIENCE [2:2]
  - JAVA PROGRAMMING [1:1]
  - WEB AND INTERNET TECHNOLOGY [2:1]
  - GLOBAL ENGINEERING CHALLENGE [Distinction]

09/2019 – 07/2021  
Woodbridge, UK

**A Levels, Farlingaye 6th Form** 📄

- Business [Distinction\*]
- Computer Science [B]
- Mathematics [A]

09/2014 – 06/2019  
Bourne, UK

**GCSEs, Bourne Academy** 📄

- Business [D\*2]
- ICT Level 2 [A]
- English Literature & Languages [5 & 6]
- Creative Media [D2]
- Combined Science [A\* & A\*]
- Mathematics [7]
- Geography [7]

## Profile

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Enthusiastic, hard-working and time-efficient individual with an interest in web and game development. Proven ability to create full-stack web applications and libraries, using industry standard design patterns. Ability to adapt quickly and learn new technologies when required.

Possesses 5+ years of experience in the Unity engine across a range of projects utilising multiplayer frameworks and 3D real-time rendering.

## Professional Experience

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Remote

**Fusion Karts Unity Game, Exit Games GmbH**

- A Unity game based off the popular game franchise 'Mario Karts'
- Created an **official Fusion multiplayer game sample** to be used as a foundation and reference point for Fusion product customers
- **Worked as a team of 3** to communicate with and meet the client's needs in a timely manner
- Lead the implementation of a multiplayer solution to an existing singleplayer game through refactoring

## Projects

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- 06/2021 – 03/2022      **BscScanner**, 2000+ installs [↗](#)
- Demonstrates use of **pushing packages to NuGet**
  - Demonstrates use of **unit testing** to automatically detect issues
  - Multi-project management (see **BscScanner.Extensions.DependencyInjection** [↗](#) and **BscScanner.Extensions.Convert** [↗](#) )
- 10/2020 – 12/2021      **Illusive**, Forum-style web application with REST API [↗](#)
- Demonstrates use of front-end tools such as **CSS** libraries (**Bootstrap**), **JavaScript** libraries (**AJAX**)
  - Demonstrates use of back-end tools such as **.NET ASP.NET Core**, **MongoDB** and
  - Demonstrates use of **deploying to the cloud (Azure/AWS/DigitalOcean)**
- 06/2021 – 10/2021      **GetChain**, A blockchain data API that aggregates Binance Smart Chain, Ethereum, Ropsten and more chains to a single API root [↗](#)
- Demonstrates use of **external Web-API** endpoints
  - Demonstrates use of **asynchronous programming, CI/CD pipelines** and **Dependency Injection**

## Awards

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- 23/03/2022      **GEC Prize for Best Overall Solution**, University of Sheffield  
Developed a solution to improve Remote Connectivity in Cape York, which we **presented to a Vodafone Professor in Electrical Engineering.**
- 23/03/2022      **GEC Professional Behaviours Team Award**, University of Sheffield

## Skills

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### .NET Environment (C#)

Helios, GetChain, BscScanner

### HTML5, CSS3, JavaScript

Helios uses all of these + libraries

### Microsoft Office

Excel, Word, Access, PowerPoint

### Visual Studio/Jetbrains

VSCode, Studio, Rider, IDEA

### Python

Gyazo Image Scanner

### Git/GitHub

### DNS/Web Infrastructure

CloudFlare, Google Domains, SSL

### Java

AWT Graphics, A\* & BFS Search