

# Harry Johns

Junior Software Engineer

BA Hons University of Sussex 2:1

*Learning new technologies and solving problems. Completed Hyperion Dev bootcamp, a DfE funded intense 16 week course with only 1,500 spaces from 20,000 applicants. 98% Grade average focusing on software engineering with Python. For a long time I have wanted to be involved with programming and have always dabbled and enjoyed it. From making games as a teenager for fun to helping previous employers set up an ecommerce website, I am now eager to try and make it my career. I would love the need to constantly learn, adapt and problem solve.*



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## Training

### Software Developer Bootcamp @ Hyperion Dev

Dec22 - Mar23

Places on this course were competitive and from 20,000 applicants only 1,500 were selected. I completed this course with the aim of changing my career to a full-time software engineer. With a particular focus on Python I really enjoyed programming data calculations and transformations.

[Portfolio link](#)

### [Project Link - NLP](#)

*For this project I used **spacy** to read in and **analyse** some example movies from a **text file**. I then had an example movie of my own to compare to these using **spacy** as my **nlp module**. I stored the movies from the text file into a **dictionary** (title as **key** and description as the **values**) and **iterated** through them keeping track of which one was most similar. The program then returns the result of the most similar movie.*

*I really enjoyed working with **spacy** and can see its application in search suggestions, advertising, translation, auto-correct, chatbots / virtual assistants and more.*

- > Python
- > CSS
- > HTML
- > Functions
- > Data Types
- > OOP
- > Defensive Programming
- > GIT / Version Control
- > Django
- > SQLite
- > Relational Databases

### [Project Link - Inventory](#)

*For this project I wanted to show an understanding of **Object Oriented Programming**. It is a basic stock control system that uses the **class** 'shoe' to read in a selection of stock objects from a **text file** and **perform tasks** like showing the highest stocked item or **searching** for a shoe by SKU code. I really enjoyed how **object oriented programming** made tasks (especially **iteration** and **data storage**, i.e. vs a list or dictionary) more efficient to code and clearer to read than **procedural** or even **function based programming**. I can see how this paradigm can make projects more approachable from a collaboration standpoint but also just clearer and more **modular** to work on. I will strive to stick to this modality on future projects.*

### [Project Link - Task Manager](#)

*For this project I wanted to showcase the ability to use **external files**, **functions** and **iterate lists** with a hypothetical task management system. It features a **login system** that reads users from an **external .txt file**. The ability to **add and edit users** tasks which are **output to a .txt file**. It also allows the user to create **reports as .txt files**. There are some **functions** only available to the admin.*

*I really enjoyed working with **text files** and **loops**. Creating **functions** for the various tasks helped to keep the code clean. I did this module before learning about **OOP** and am happy with how it turned out.*

## Experience

### Website and Production Manager @ Barefaced Audio

2016 - 2019

Barefaced audio is a 'micro factory' and at the time had a team of only 8. There were just two in the office including myself and we shipped audio products internationally. These were all built and designed in house. I was responsible for all customer facing roles and keeping the factory on target / managing production to meet customers needs. I was also brought on to help the business grow which was initially hard to give my time to since there were a lot of daily administrative tasks to complete.

- Responsible for the customisation to elements of the new website and ordering system.
- Developed an automated ticket creation system for orders and automated email responses, reducing my time spent on remedial tasks by approximately 2 hours a day
- Entirely self led.
- Managed production and aligned it with customer expectations. This required logical thinking and problem solving skills.
  - For example if a speaker needed to be ready for a tour to a short deadline but wasn't even in production I could juggle the components in production to ensure the order got fulfilled in time.
  - Increased factory output and our cash flow position (previously orders were paid for in arrears).
  - Previously orders would take a minimum of two weeks to complete. I inserted stock into the production rotation based on the most ordered cabs (data gathered from the new website and updated spreadsheet) meaning some orders for smaller items could be fulfilled within days.
  - We took an arbitrary deposit when I first arrived. I then changed this to payment in full as we were having issues purchasing stock (components were expensive and nothing was paid for until after it was built). By taking payment in full, upfront we were able to better maintain our stock levels and maintain a consistent output.

*I was given quite an open scope with this role and used my problem solving skills and ability to learn quickly to streamline web orders, optimise production and automate a lot of previously error prone, human data entry tasks.*

### Team Leader @ Kingdom landscapes

Current position

I am currently working as a manager for a landscaping company in Brighton. The most enjoyable aspect of the job is problem solving. I really enjoy overcoming obstacles and learning new skills. However, I would like to follow up my interest in coding, programming and working indoors!

- > Microsoft Office
- > Excel
- > HTML
- > CSS
- > Shopify
- > Problem Solving
- > Analytical thinking
- > Communication Skills
- > Managing a small team
- > Working to deadlines
- > Self Motivated
- > Logistics
- > Stock control

- > Managing a small team
- > Work from designs
- > Work to a budget
- > Work to a timescale
- > Problem solving
- > Communication
- > Leadership