

# **Jonathan Knight**

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## **Professional Profile:**

An enthusiastic individual who is passionate about learning to bring ideas to life using programming and the internet. I have recently completed my undergraduate degree in Contemporary Music from the University of South Wales (predicted grade: 1st).

## **Education:**

University of South Wales (09/2018-05/2021)

BMus Contemporary Music Performance (predicted a 1<sup>st</sup>).

Modules include: Entrepreneurship, The Working Musician, Composition Portfolio, Independent Study, Practical Musicianship, Production Project, Performance Portfolio

A-Levels: Barton Peveril 6<sup>th</sup> Form College (09/2015-06/2018)

Maths (B), Psychology (B), Philosophy (C), Further Maths AS Level (C), and Physics AS Level (C).

Mountbatten School (09/2010-06-2015)

Obtained 11 GCSEs grade A\*-B. Including Computing GCSE (A\*), Maths GCSE (A\*) and Further Maths GCSE (A\*).

## **Professional Training:**

Codecademy: Learn Python 2- (12/2017-02/2018). Becoming familiar with the fundamentals of Python through hands-on learning. Gained experience writing scripts with functions and basic classes for Object-Oriented Programming.

Udemy: Django - Full Stack Websites with Python Web Development- (10/2020-03/2021). Learning how to use HTML, CSS, JS and Python with the Django web framework for web development, including writing a portfolio website project from scratch.

Udemy: The Complete Web Developer in 2021: Zero To Mastery- (03/2021-05/2021). Learning complete full-stack web development, including using React.js and Node.js and working with databases, with a focus on employable skills.

## Udemy: The Complete Junior to Senior Developer Roadmap (2021)- (05/2021-ongoing)

Gaining insight into the more advanced concepts involved in web development, such as security, efficiency and testing, in preparation for moving into more senior positions as a developer.

### **Relevant Experience:**

#### Short Web Development Projects

Designing and coding multiple websites from scratch, and deploying them live online. Some web design projects include: A secure password generator, a background generator and a template for my own portfolio website.

#### Online Face Detection App (in progress)

Currently working on a web application that allows users to log in with an email address and password, upload an image file, and receive that file with boxes around people's faces obtained using a machine learning API.

#### Python Projects

Built multiple small projects in Python during my time learning the language. These include a two-player battleships game, text-based blackjack against a computer dealer, and a web scraper that recovers information about books from a website.

#### Building a Computer

Successfully designed, ordered and assembled a custom PC on a set budget, single-handedly.

#### Fixing Video Game Controllers

In the past, I have planned and executed fixes for multiple different video game controllers, a process that has included disassembling electrical components and replacing delicate parts.

### **Other Experience:**

#### Live Music Performance

Rehearsing and performing live on stage as a multi-instrumentalist. I have worked with multiple bands for both paid and unpaid gigs in a wide variety of settings from pubs to churches to festivals, playing multiple instruments such as Bass Guitar, Drum Kit, Acoustic Guitar and Cajon. This involved long term preparation of materials, working in teams developing setlists and rehearsing material, and performing publicly in a pressured environment while listening to and adapting to what is happening on stage with other band members and event staff.

#### Video Editing

Designing and planning video projects such as video essays assessing my work at university, music performance videos and fun videos to show friends. Working with Adobe Premiere Pro

2019 to compose and edit multiple video projects in my free time, including audio and visual elements with cuts, effects and transitions for clean and professional video quality.

**Personal Interests:**

- Learning and playing multiple musical instruments from a young age. I have been given drum tuition from the age of 6 years old, and have since self-taught Bass Guitar, Acoustic/Electric Guitar, and Keyboard. I also have a very keen interest in the more theoretical side of music and frequently spend a great deal of my free time researching and reading about different concepts in music theory.
- I also greatly enjoy working on improving myself physically by going to the gym once or twice per week and swimming most weeks.
- To relax and let off steam, I also like to play competitive video games. I do not personally have an interest in competing, but the process of learning and improving at games is something I greatly enjoy.