**Daniel Hamilton**

**Full Stack Developer**

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**Profile**

Software Developer, currently enrolled in a Full Stack Software Development Diploma with the Code Institute. I am proficient in HTML, CSS, JavaScript, Python, Java, VB.net and SQL. I am a friendly, confident individual who tackles challenges with enthusiasm. I am an experienced public speaker and educator, with 7 years Computer Science teaching experience. I have continued coding since completing my Software Engineering degree and I am keen to join a collaborative development team and contribute to game design and implement software solutions to client challenges.

**Education**

**Diploma in Full Stack Software Development, Code Institute - Dublin, Ireland - (Credit Rated by University of West of Scotland)**

August 2022–Present

See Project Portfolio below

## Software Engineering BSc First-class (Hons), University of Brighton, Brighton

September 2011 — August 2015

* **Mobile Application Development –** Built applications for the Android platform.
* **Java Programming, Concurrency, & Client Server Computing –** Built an online multiplayer game.
* **Object Oriented Software Design & Architecture –** Built Java programs.
* **Web Technologies –** The creation of websites and interacting with databases.
* **Database Design & implementation –** Designing and understanding the correct techniques of implementing a database.
* **Data Structures & Algorithms –** The use of data structures and algorithms in graphics using C++.
* **Verification & Validation –** Testing and validation of software.

**Technical Skillset**

Technologies: **HTML, CSS, JavaScript, PHP, C, C++, Python, Java, VB.NET**

Databases: **MySQL**

Frameworks: **Bootstrap**

Version Control: **Git, GitHub**

**Portfolio** **projects**

## Learn GCSE CS - E-learning site for students to access resources for Computer Science GCSE. Technologies Used - HTML5, CSS, JavaScript GitHub - <https://github.com/dlhamilton/LPSB-Learn-GCSE-CS>

## Bomb Catcher – Bomb Catcher is an addictive game to test your reactions Technologies Used - HTML5, CSS, JavaScript. GitHub - <https://github.com/dlhamilton/Bomb-Catcher>

## Route-me - This program is designed to help you find the quickest way from a start position to a destination. It can also create and solve mazes. Technologies Used - Python, Heroku for hosting. GitHub - <https://github.com/dlhamilton/route-me>

**Work Experience**

## Associate Assistant Headteacher (Diversity and Inclusion) and Head of Computer Science at Langley Park School for Boys, London

September 2015 — Present

* Responsible for managing a team of 5 teachers and 384 KS4 and KS5 students. Department outcomes year on year have been in the top 7% of Computing students nationally (ALPs 2 score for A Level and +0.2 progress score for GCSE).
* Data Analysis Expert – led whole staff training and supported senior management on the use of various data tracking and monitoring programs to plan intervention and track student progress.
* Experience teaching A Level and GCSE Computer Science, leading on A-level Python and VB.NET coursework projects. BTEC IT and GCSE Mathematics with positive outcomes for students achieving above target grades.
* Mentor and train teachers, ensuring their performance and career goals are achieved, e.g. I upskilled my staff who were trained in IT to transition to Computer Science.
* Lead on whole school Diversity and Inclusion initiatives and provide training for all 120 teaching staff on LGBTQ+, anti-racism, disability and neurodiversity.

## L2 Event Crew and Technical Services at Crewsaders, London

August 2018 — April 2020 (Seasonal)

* Event staff services supplier to event and media production companies in the UK and Europe.
* Worked as a team to set up and build large-scale Corporate Events, including brand activations, PR stunts, product launches, broadcast TV and private in-house functions - as well as bespoke venues and luxury retail clients.

**Transferable Skills**

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| --- | --- |
| * Ability to work under pressure * Leadership * Data analysis * Fast learner * Ability to multitask * Remote Working | * Ability to work in a team * Public speaking/presenting * Coaching * Project management * Budget management |

**Hobbies/ Interests**

* Keen sportsman and have the drive to succeed. I started playing rugby in 2004 and currently play semi-professional rugby for Westcombe Park Rugby Club First XV and previously represented Blackheath RFC First XV.
* I coach the school rugby team on weekends and previously the Kent County Junior Teams.
* Interested in music - I have been a DJ at various events and friends’ parties and play the Piano and Saxophone.
* Passionate about social justice issues and diversity and inclusion – set up various societies at work including ACS (African Caribbean Society), LGBTQ+, Islamic society and Feminist Society for students in my spare time.
* Full driving license including A motorbike and D1 minibus.