**Declan Kene Chukwu**



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PERSONAL PROFILE

+353 857236068

**Dublin, Ireland**

* I'm a dedicated and hardworking tech enthusiast.
* I have strong interpersonal and communication skills and I am ready to excel in the workplace.

# EDUCATION

**University College Dublin Sep 2023 - Oct 2027**

Bachelor of Computer Science

**Key Modules:**

Algorithmic Problem Solving, Computer Programming, Functional Programming, Web Design, Stats with Python

## 

EMPLOYMENT HISTORY

**Johns Hopkins Hospital Feb 2022 – Mar 2022**

*Senior Software Engineer Work Shadow | JavaScript, Java, CSS, HTML, PHP Baltimore, MD*

Resolved a **ServiceNow ticket** for an integrated app in Epic Systems (Electronic Healthcare Record system), **improving system functionality and reliability**:

* Fixed a critical issue where authorizations for healthcare providers wouldn't save in a form.
* Investigated and replicated the bug on the **test server**, minimizing downtime on the production server.
* Analyzed **HTTP POST requests** in the Network using the browser's **"Inspect Element"** tool, ensuring accurate data transmission.
* Verified the **JSON payload**, ensuring system accuracy.
* Identified and fixed a typo in the submit button code for the form.
* Successfully resolved the issue, ensuring the checkbox functionality worked as intended.
* Demonstrated strong problem-solving skills in **debugging** and code correction, contributing to overall system reliability.

**Administrative Aspects:**

* Proficiency in **time management** and **incident management** with applications like **Kronos** and **ServiceNow.**

• Familiarity with **Jira** and **Bitbucket** for effective **change** and **project management.**

* Documented task progress using Jira's **Kanban board**, implementing stages (to do, in progress, completed).

**All Ireland Programming Olympiad (AIPO) Jan 2022 - Apr 2022**

* Participated in AIPO 2022 and made it to the final round of the competition.
* Used the following algorithms to solve some of the problems (done in **Python**):
* Built out **Dijkstra's algorithm** and converted it to a longest path-finding algorithm to solve a **network routing** problem.
* Implemented **Depth First Search** to solve a grid/matrix word search problem.

• Used the **Sieve of Eratosthenes** to solve a prime number problem.

**Retail Assistant - Diesel Oct 2023 – April 2024**

* Greeted customers as they entered the store.
* Carried out resales to ensure stock is sufficient and in right size order.

# PROJECTS

**ANALYSING CENSUS DATA USING PYTHON** | Python, Pandas, CSV files

* Analysed Census data on squirrels in Central Park New York and created a **CSV** file for it.
* Read the file and created counters to get the number of each fur colour in **Python** script.
* Used the **Pandas** module to create a data frame for their fur colours and converted this to a **CSV** file in script.

**E-COMMERCE WEBSITE** | HTML, CSS, JavaScript, Express.js, Node.js, APIs

* Developed an ecommerce website for a client which **increased their revenue by 25%.**
* Designed an attractive landing page to **draw customers attention**.
* Created a functioning search bar, cart and add to cart functionality in **JavaScript**.
* Integrated the **Stripe API** to create a checkout session and manage payments.
* Hosted this checkout session on an **Express server** to ensure security and employed **Node.js** to manage this server.
* Utilised the **Formspree API** to manage contact forms from consumers.

# TECHNICAL SKILLS

* **Languages:** Python, HTML, CSS, C, JavaScript
* **Libraries/Frameworks:** Pandas, Turtle, Pygame, Django, PostgreSQL, React, Node, Express, Git
* **General:** Time management, Change management, Problem Solving, Communication, Cooperation, Resilience

# ACHIEVEMENTS

* Awarded **Student of the Year** 3rd year (2020/2021) and **Sports Star of the year** in 6th year (2022/2023) in secondary school.
* Was a Student Council member and a Senior Prefect in secondary school.
* Received a **perfect attendance** and **punctuality** award in 2nd year.
* Member of the U17’s Irish Squad in basketball.
* Completed the **Google Crash Course on Python** on Coursera.