Stephen Alenkhe

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EDUCATION

University College Dublin (UCD) - Masters of Computer Engineering : September 2020 - May 2025

- Subjects: Unix Programming, Computer Networks, Operating Systems, Information Security, Python, Java, C, C++, Assembly, MatLab

EMPLOYMENT HISTORY

Intel R&D, Kildare, Ireland

Ai Engineer Intern   **January 2024 - September 2024**

- Set up and configured multiple linux test development systems, integrating them into the network and ensuring secure SSH access. Debugged these systems using Bash scripts.
- Automated routine lab tasks, such as serial number tracking and network monitoring, using custom Python scripts, reducing errors and reducing time by over 50%.
- Developed a python-based real-time temperature tracking tool. Used to evaluate and reduce costs for lab wide cooling upgrades.
- Created a network switch monitoring tool to track and display MAC addresses connected to each switch port, improving network management and troubleshooting efficiency.
- Led logistics and inventory management across three European sites, streamlining inventory processes and preparing the lab for a successful corporate audit.

OneBand : Dublin, Ireland

Co - Founder and CEO   **January 2023 - Present**

- Lead the development of a health monitoring wearable device for patients in hospitals. Integrating AI for real time data Analysis
- Leading the application and presentation of OneBand to investors at various startup events, including prestigious platforms like the Hult Prize.
- Established and nurtured relationships with hospitals and potential clients, negotiating test contracts
- Received Funding from the Open incubator organization for further development.

Apple, Cork, Ireland

Apple Technical Support Advisor   **June 2022 - November 2022**

- Provided first-line software support to Apple customers, maintaining an average call handling time of 11.5 minutes, which was 3.5 minutes below the company average.
- This allowed to maintain an 89% satisfaction rating (7% above average)

Dogpatch Labs, Dublin, Ireland

Co-Founder @Mirr | Patch Summer accelerator Partcipent   **June 2020 - August 2020**

- Developed a touchscreen smart mirror running an optimized version of ChromeOS, with enhanced features like always-on display and split-screen usage.
- Conducted several rounds of consumer testing, leading to significant product improvements.
- Compiled weekly business reports, outlining progress and future planning.

Interests

- Executive Producer of UCD Drama Society.
- Tech Lead in UCD Investors and Entrepreneurs Society.
- D1 American Football player for UCD. 2024 National Champion and 2023 Runner-up.
- Open Incubator 2024 startup showcase winner.

Projects

- Audio Analysis Tool: Developed a tool to visualize the frequency spectrum of sound waves in Python.
- Java Games: Created Solitaire and Backgammon games from scratch.
- Client-Server Quiz Game: Developed using the TCP network protocol in C.
- Personal Showcase Website: Currently building with a Python (flask) backend and HTML + CSS
- Custom CNC Plotter: Ongoing project using Arduino and DVD disk drives.