# Aidan Loughran

(phone number protected)
aidlo.dev@pm.me
aidlran.github.io
GitHub/Twitter: aidlran

## Education

### BSc (Hons), Applied Computer Science

University of Plymouth                    2021 —

Bachelor's degree featuring artificial intelligence, machine learning, digital forensics, high performance distributed computing, project management and an individual project involving cyber security.

### FdSc, Software Development

University of Plymouth                    2019 — 2021

Foundation degree featuring object-oriented programming, web & app development, databases, HCI, data structures & algorithms, machine learning, agile project management, systems analysis, and networking.

## Highlighted Projects

### Password Manager          GitHub/lock-and-key

For my BSc dissertation project and for my own personal use, I began researching modern cryptography and writing an open-source password management application.

### Technology Blog          aidlran.github.io

After finding enjoyment from writing during my studies, I am working on a personal website and technology blog using Jekyll. This in addition to other writing and documentation efforts such as my "Linux Bible" wiki project.

### NRGLAB Website          nrglab.uk

I am responsible for the design and maintenance of the website, including system design, full-stack development, AWS and CDN management, security and database development.

### "Homelab"

Using a combination of open-source and my own software, I run a network and server at home for testing, collaborative work, and hosting apps & data. Some of my software is public on my GitHub account.

## Work Experience

### AI Training & Research          2020 —

To support my full time studies and my interest in technology and AI in particular, I have been actively using platforms like Mturk, Clickworker, UHRS, Testable Minds and Prolific, which offer the opportunity to take part in paid research and AI training tasks.

## Skills

### Software Development

C++, Python, Electron, Java, machine learning & AI, HCI, UI/UX, object-oriented & data-oriented, Git VCS, documentation

### Web Technologies

Web design, REST APIs, JavaScript, Node.js, PHP, Apache, Nginx, AWS, CDNs

### Database Management

Command line & GUI experience, normalisation, query design, PostgreSQL, MySQL, SQLite

### System Administration

5+ years Linux experience, networking, virtualisation, server/VPS, AWS infrastructure

### Excel & Spreadsheets

10+ years creating complex spreadsheets and diagrams for productivity, finance & data analysis.

### Multimedia

Experience with Photoshop/GIMP, Ableton Live, Adobe After Effects and DaVinci Resolve.

## Other Experience

### Events Management

Planning and running paid live music events in a team as recently as Jan. 2022.

### Student Union Rep

Representative for my course throughout 2020 – 2021 during the switch to hybrid learning.