

# Arthur Etchingham Coll CV

## Personal Details

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**Name:** Arthur Etchingham Coll  
**Telephone No:** 086 120 6887

**Date of Birth:** 1/10/1997  
**E-mail Address:** Arthur1coll@gmail.com

## Education

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**Third Level:** Dublin Institute of Technology DT228 Computer Science  
DIT Kevin Street 2016-Present. Graduating 2020. GPA 3.7

## Projects & Achievements

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**Google InitG / ESCAL8 Capture the Flag:** I was 1 of 40 students from all of Europe invited to Google beginner CTF and security workshop in London. During this I was awarded for being able to complete more CTF challenges than any other participant.

**Chihya:** I build and contribute to the open source project Chihya written in **Go**, this is a P2P tracker system used by Facebook and other companies to distribute updates to their servers, I've improved the response time to each request by 10ms through implementing a improved bencoding library. Other things I have improved including minimizing code size and reduced resource usage.

**DITSU E-Voting:** Project created to solve the large expense and low turnout rates for elections of Student Representatives. Written in **Python** using flask, this will enable the student union to run all their elections online and will hopefully be implemented this year.

**Damocles:** Project I am currently working on, to produce a fully functional **Python** cross platform Bittorrent client, with a web interface using Asynchronous IO for the backend and PyJama's for the GUI.

**Presidents Award:** I received the DIT Student Unions President's award 2018, I received this award for the most substantial contribution to the work of the union in 2018.

## Work Experience

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**Title:** Network Admin

**Date:** June 2017 - September 2017 and June 2018 - September 2018

**Employer:** Applegreen, Parkwest Dublin

**Achievements:** During my two years, I helped set up the UK office network which involved networking the building and installing servers. I performed regular maintenance on the servers and wrote scripts necessary to backup and secure the network. I also helped create the new intranet using ASP and C#, this is now in use over the whole Company. This dramatically reduced loading times by about 2 seconds each visit and improved integrations with the company ERP & Database software. This is now in use by approximately 4k users a day.

## Links

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GitHub: <https://github.com/CrimsonPrince>

LinkedIn: <https://linkedin.com/in/arthurcoll>

Website: <https://arthurcoll.com>

## Interests and Hobbies

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**Mentor & Secretary:** of DIT Coder Dojo, I teach ninja's aged 10-14 how to code in scratch and python. This has really helped me develop my coding skills in python outside the class and made a positive impact on kids from deprived backgrounds.

**Chairman of DIT Netsoc:** I am the official head of the society. I play a key part in organizing the events, recruiting members, overseeing the work of the committee and representing the society to the College and other bodies.

**Head Admin Of DIT Netsoc:** I am also the main administrator of the Netsoc servers and am ultimately responsible for providing and maintaining all our services for our members. This includes hosting over 50 websites, two email servers, DNS, IRC, DHCP, MySql and 20 servers running member projects.

### Languages

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Python (Proficient), ASP(Proficient), C# (Proficient), Go (Proficient), C (Basic), Java (Basic)

### References

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Available upon Request.