

# Thomas Adriaanse

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<https://github.com/ThomasAdriaanse>

## Education

### Queen's University

Sept 2019 — Apr 2023

*Bachelor of Computer Engineering*

- Relevant Coursework: Data Structures, Algorithms, Data Analytics, Operating Systems
- Strong focus on coordination and teamwork throughout degree

### Certifications (In Progress)

Nov 2023 — Present

*Certified Penetration Testing Specialist, Offensive Security Certified Professional*

- Currently working on two penetration testing courses
- Content on Python and shell scripts, Burp Suite, IP networking, nmap and Active Directory

## Experience

### Dolomite Networks

Jan 2024 - Present

*Associate Company Security Officer, Research*

- Manage security clearances of company resources
- Researching post-quantum cryptography implementations for open-source phones

### Barton Computing

June - Sept 2023

*Software Developer*

- Developed a webscraping capability for a website which tracks news and political views of politicians from scratch.
- Webscraped data from sites with BeautifulSoup and Selenium using Python

### Impactful Animal Advocacy

Sept - Nov 2023

*Volunteer Developer*

- Prototyped a website as a volunteer work for an animal welfare charity
- The main website code was forked from a different open source website
- Used AWS Elastic Beanstalk to host the site, and PostgreSQL for the database

### Effective Altruism Club

2023

*Founder*

- Created the Effective Altruism club at Queen's University
- Chaired club meetings, discussions, fellowships throughout the year
- The goal of the club is to increase peoples' impact when trying to do good

### Queen's University

Jan 2021

*Engineering Design Team*

- Prototyped offshore wind turbine base using fundamental engineering skills
- Awarded 2<sup>nd</sup> place with 3 other engineering students in a university wide engineering competition

## Projects

### Fantasy Scraper application

*Python developer*

- Created a program which scrapes fantasy basketball data from ESPN
- Added a GUI which makes readability of data easier compared to ESPN website
- Added additional stats and fantasy basketball analysis capabilities

## Programming strengths

**Languages:** Python, C++, BASH, HTML, CSS

**Operating systems:** Windows, Linux