

# John David Anthony

<https://johndavidanthony.github.io/>

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## Education

**Bachelor of Computing (Honours) | Queen's University, Kingston**

**Graduated April 2020**

- ▶ Cumulative GPA: 3.93 - Dean's Honour List (2016 - 2020)

## Experience

**Cybersecurity Consultant | Telus, Toronto**

**Aug 2020 - May 2021**

- ▶ Performed infrastructure, wireless, social engineering, and application penetration testing for clients of varying sizes both internally and externally.
- ▶ Used various professional and open source tools to enumerate and exploit vulnerabilities.
- ▶ Communicated both orally and in writing the discovered vulnerabilities and recommended remediation steps to a range of client stakeholders.
- ▶ Developed custom testing scripts and procedures to free up team members' time from menial tasks.

**Cyber Risk Analyst | Deloitte, Toronto**

**May - Aug 2019**

- ▶ Worked with a major Canadian bank to develop an Identity and Access Management (IAM) security solution.
- ▶ Developed and delivered a multi-component roadmap, enabling the client to cost effectively pass certifications.
- ▶ Investigated client procedures and policies to ensure employees were on-boarded adhering to the concept of least privilege.

**Engineering & Quality Assurance Intern | BioConnect, Toronto**

**Apr - Aug 2017, 2018**

- ▶ Saved more than \$3000 CAD per regression cycle by implementing automated software tests via pywinauto.
- ▶ Responsible for testing mobile and desktop applications along with hardware that was delivered to clients.
- ▶ Collaborated with multiple departments to investigate root causes of issues to ensure that all products were of the highest quality.
- ▶ Developed knowledge of the product line by testing customer-returned products so they could be resold.
- ▶ Researched potential customers to identify leads for the sales team and analyzed industry trends to create a report for company strategy.

## Extracurriculars & Awards

**Microsoft Hackference - 1st Place | Kingston**

**Nov 2019**

- ▶ Developed an app prototype using Microsoft Azure to solve one of the UN's sustainable development goals. Targeted at medical professionals, the app assisted doctors in recording outbreaks of infectious diseases in less developed countries.

**Project Manager | QMIND, Kingston**

**Sep 2018 - Apr 2020**

QMIND is Queen's Machine Intelligence and Neural Design team, that tackles real world problems through the use of AI.

- ▶ Created on-boarding presentations to train new members on general development and machine learning concepts.
- ▶ Led a 4 person team to identify ways to increase sports viewer engagement for broadcasting companies.
- ▶ Developed ML models to identify replays 100% of the time and what teams are on screen 76% of the time. Presented findings at Canada's largest undergraduate AI conference, CUCAI.

## Independent Projects (Can be viewed at <https://johndavidanthony.github.io/>)

**Machine Learning Self Driving Car - C#**

- ▶ A simulation that trains a car with no prior knowledge of driving how to drive without hitting the sides of the track.
- ▶ Using 5 distance sensors as input, the car uses a neural network to decide what action to take. It learned how to drive through a genetic algorithm in a process similar to evolution. Through multiple generations it was able to complete a lap and find the most efficient route.

**Smart Mirror - HTML, CSS, JavaScript**

- ▶ Web based smart mirror that fetches and displays your calendar, news articles, the weather and time.
- ▶ Constructed with a two way mirror film so that you can see your reflection and all the information.

**iOS Apps - Swift**

- ▶ Live currency converter app that can convert any currency in the world at current prices.
- ▶ Calculator app that has all the basic features of any hand held calculator.