

Dawson Tilley

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SUMMARY

Solutions oriented Software engineer with a background in Electrical Engineering and Certificate in Full Stack Web Development. Utilizing technical skills to construct useful problem solving applications. Strengths include working in teams, creative problem solving and user first design.

EDUCATION

Queen's University

Bachelor of Applied Science in Electrical Engineering

Kingston, ON

Sept. 2017 – May 2021

University of Toronto

Full Stack Web Development Certificate

Toronto, ON

April. 2022 – Oct. 2022

PROJECTS

Inspirational Quotes Website

- <https://github.com/dawsontilley/inspirational-quotes>
- <https://inspirational-quote-app.herokuapp.com/> —
- A web app that allows you to share and comment on quotes you like.
- Used Node JS, Express and Handlebars to make a full stack web application for sharing your favourite quotes.

TechBlog

- <https://github.com/dawsontilley/TechBlogXtreme>
- <https://tech-blog-xtreme.herokuapp.com/>
- A tech blog that allows users to make posts and comment on their posts.
- Developed using Node JS, and Express.

GuessMaster

- <https://github.com/dawsontilley/GuessMaster>
- Utilized Java to create an interactive game guessing celebrities ages.
- Designed an interactive UI in android studio, making the game accessible for people with an android device.

EXPERIENCE

Electrical Engineering Designer

H.H Angus & Associates

June 2021 – Present

Toronto, ON

- Utilized machine learning algorithms to analyze business optimizing data-sets for clients.
- Performed engineering calculations and cost estimates for projects.
- Prepared design solutions for mission critical data infrastructure belonging to multiple fortune 500 companies.

EXTRA CURRICULARS

Queen's Engineering Conference on Industry and Resources (CIRQUE) | *Co-Chair*

2020 – 2021

- Co-managed an 18-person executive team to run a 70-person conference.
- Managed a budget of over \$10,000.
- Re-organized event to digital format due to COVID-19 while increasing engagement.

Queen's University Algorithmic Network Trading Team (QUANTT) | *Analyst*

2019 – 2021

- Coded trading algorithms using Python.
- Developed predictive models using machine-learning to aid in price prediction.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, HTML/CSS, AutoCAD

Libraries/Frameworks: Pandas, NumPy, Matplotlib, SciKit-Learn, Node, Express, MongoDB, React

Software: Microsoft Office