

# NATHALIE JEANS

+1 (412) 944-1882  
Toronto, ON / Pittsburgh, PA

[njeans@andrew.cmu.edu](mailto:njeans@andrew.cmu.edu)   
<https://nathaliejeans.github.io/>   
<https://www.linkedin.com/in/nathaliejeans/> 

## EDUCATION

### ***Carnegie Mellon University***

May 2024

Bachelor of Science in Electrical and Computer Engineering

Relevant Coursework: Fundamentals of Programming & CS, Introduction to ECE, Differential & Integral Calculus

By Summer 2021: Concepts of Mathematics, Physics for Engineers, Engineering and Public Policy

Activities: Society of Women Engineers (SWE), Engineers Without Borders, Model at Lunar Gala Fashion Show

### ***TFS – Canada's International School***

May 2020

Advanced Bilingual International Baccalaureate Diploma – GPA 96/100

Activities: Peer Mentor Head, Student Council Representative, Swim Volunteer, Varsity Volleyball

## EXPERIENCE

### **SheEO | Toronto, Canada**

March 2017 – November 2020

#### ***RadGen Program Developer***

- Worked with SheEO to found high school program, RadGen, for young people to participate in SheEO's funding cycle where the group voted on women-led ventures to receive grants in line with the UN SDGs
- Held hour-long weekly sessions with 32 high school girls from 2018-2020 to discuss female entrepreneurship, modern technological innovations, startup scalability and industry-specific problems
- Created database of BIPOC women leaders to expand SheEO's network of founders and sponsors

### **Integrate.ai | Toronto, Canada**

July 2019 – August 2019

#### ***Machine Learning Scientist Intern***

- Developed a machine learning model to quantify the customer centricity of an airline's business strategy based on decision modelling and presented to work to executives
- Led meetings with a cross-functional team of 7 from Data Science, Product, Sales & Marketing, Software and Platform Engineering on our method of calculating and implementing the customer metric
- Set an initial long-term vision for Integrate.ai's Trusted Signals Exchange (TSR) product, which uses strictly non-PII data to predict customer needs in real time

### **The Knowledge Society (TKS) | Toronto, Canada**

August 2018 – August 2019

#### ***Innovator***

- Wrote tech-based articles on Medium's Towards Data Science publications and featured by the Practical AI: Machine Learning and Data Science podcast, episode "BERT: one NLP model to rule them all", who discussed my article "The Backpropagation Algorithm Demystified"
- Spoke about GANs at the Venturing into Tech Conference at the University of Toronto, St. George
- Created recommendation decks for problems presented by Walmart and Wealthsimple

## PROJECTS

### **Used Uniform Sales Application**

March 2019 – June 2019

#### ***Software Developer and UX/UI designer***

- Programmed JDBC API with backend database to automate the transaction of used uniform sales at school, reducing processing time by 25%
- Built a tool to generate a daily log of sales, track inventory and bill individual accounts on the student database, increasing accounting efficiency by 30%
- Designed the UX/UI and tested it at a popup booths during semesterly community-wide events

## SKILLS

Programming: Python, Java, JavaFX, HTML, CSS

Spoken Language: English (fluent), French (fluent), Mandarin (Intermediate – completed HSK 2 and YCT 3)