

# NATHALIE JEANS

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## EDUCATION

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*Carnegie Mellon University* May 2024  
Bachelor of Science in Electrical and Computer Engineering  
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  
Activities: Peer Mentor Head, Student Council Representative, Swim Volunteer, Varsity Volleyball

## EXPERIENCE

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SheEO | Toronto, Canada March 2017 – May 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 innovation at the intersection of problem solving and creativity
- Created a database of BIPOC women entrepreneurs for SheEO to expand their network of founders and sponsors

Integrate.ai | Toronto, Canada July 2019 – August 2019  
**Machine Learning Scientist**

- 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 Data Driven Investor and Towards Data Science publications
- 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 Campus
- Created recommendation decks for problems presented by Walmart and Wealthsimple

## PROJECTS

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TFS Parents' Association March 2019 – June 2019  
**Used Uniform Sales Application**

- Programmed a JavaFX desktop application to automate the transaction of used uniform sales at school, commissioned by the Parents' Association of TFS - Canada's International School
- Built a tool to generate a daily log of sales and bill individual accounts on the student database
- Designed and tested the app and UX/UI at a popup booth during semesterly community-wide events

## SKILLS

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**Programming:** Python, Java, JavaFX, CSS

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