



# Jacob Daigle

MATH STUDENT

## CONTACT INFO

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## ABOUT ME

I am a 21 year old Canadian living in Sweden. I came here to learn about a new culture, embrace the diverse opportunities abound, and hopefully kickstart my career.

Fueled by my passions for interdisciplinary research, sustainability, optimization, efficiency, and innovation, I hope to one day be working at the forefront of new technologies.

## LANGUAGES

- English - Native
- French - Intermediate

- LaTeX (2 years)
- Python (1 year)
- C (1 year)
- Mathematica (1 year)

## REFERENCES

Available upon request.

## WORK EXPERIENCE

### MATH/PHYSICS RESEARCH ASSISTANT

Lakehead University - CANADA | May 2022 - Oct 2023

- Documenting ideas, proofs, and findings in LaTeX
- Research in dimension groups
- Research in immanants of matrices and various relevant statistical features in relation to the boson sampling problem
- Worked in groups with coworkers and field experts, as well as independently

### MATH TUTOR/MARKER

Lakehead University / Freelance - CANADA | Oct 22 - Jun 2023

- Grading and feedback for large classes
- 1-on-1 personalized lessons for struggling students

### STARTUP V.P. OF I.T.

FrosTek of J.A. Canada - CANADA | Oct 2016 - Jun 2017

- Social media creation and maintenance
- Statistical analysis and presentation of company data
- Assisting in creating and distributing advertisements
- General technology management and maintenance

## EDUCATION

### HONOURS BSC MATHEMATICS, MINOR PHYSICS

Lakehead University - CANADA | Sept 2019-April 2023

## SKILLS

- Math
  - Statistical analysis
  - Data analysis
  - Formulaic modelling and problem solving
  - Optimization
  - Fractal geometry
- Physics
  - Quantum mechanics
- Writing technical reports
  - LaTeX, Overleaf, Beamer, Mathematica
- Programming (languages on left)
  - Creative code refactoring to enhance efficiency and optimize resource allocation and computation time
- Presentation of research
- Gardening, woodworking, machine operation, general labour