

# Curriculum Vitae

## Aiden William James Taylor

Calgary, AB  
aiden.taylor1@ucalgary.ca

## Work Experience

05/2021 - 06/2024    **Federal Government**  
Student Infrastructure Support Analyst

06/2024 - 08/2024    **DMT Geosciences Ltd**  
Contractor

## Education

09/2019 - 12/2023    **University of Calgary**  
B.Sc. in Computer Science  
Minor: Mathematics

09/2024 - Present    **University of Calgary**  
M.Sc. in Mathematics

## Research Experience

05/2023 - 08/2023    **NSERC Funded Undergraduate Research**  
*A Study of Function Spaces, and Adaptive Finite Element Methods*  
Supervisor: Assoc. Prof. Cristian Rios

06/2024 - 08/2024    **Mining Innovation Commercialization Accelerator (MICA) Funded Project**  
*Continuous Autonomous Tomographic Monitoring for Tailings Dams and Embankments*  
Supervisor: Dr. Robert Perrin

01/2025 - 08/2025    **Calculus Development Graduate Research Assistant**  
*MTST Specifications Calculus*  
Supervisor: Assoc. Prof. (Teaching) Jerrod Smith

## Academic Awards and Scholarships

- Alexander Rutherford Scholarships: 2500 CAD\$
- Jason Lang Scholarships: 3000 CAD\$
- NSERC Undergraduate Student Research Awards (USRA): 7500 CAD\$

## Teaching Experience

- 09/2024 - 12/2024    **MATH 267 (University Calculus II)**
- 01/2025 - 04/2025    **MATH 267 (University Calculus II)**
- 01/2025 - 04/2025    **MATH 318 (Introduction to Cryptography)**
- 05/2025 - 06/2025    **MATH 375 (Differential Equations for Engineers and Scientists)**
- 09/2025 - 12/2025    **MATH 275 (Calculus for Engineers and Scientists)**
- 09/2025 - 12/2025    **MATH 375 (Differential Equations for Engineers and Scientists)**
- 01/2026 - Present    **MATH 367 (University Calculus III)**
- 01/2026 - Present    **MATH 391 (Numerical Analysis I)**

## Programming Skills

Proficient in:

- C/C++, Python, and L<sup>A</sup>T<sub>E</sub>X

Good knowledge of:

- Matlab and Mathematica

## References

These persons are familiar with my professional qualifications and my character:

**Assoc. Prof. Cristian Rios**

Organization: University of Calgary

Phone: (403)220-3221

Email: crios@ucalgary.ca

**Assoc. Prof. Matthew Greenberg**

Organization: University of Calgary

Phone: (403)220-3952

Email: mgreenbe@ucalgary.ca

**Assoc. Prof. (Teaching) Yousry Elsabrouty**

Organization: University of Calgary

Phone: (403)220-2255

Email: yelsabro@ucalgary.ca