

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^AT_EX

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