# Justin Furlotte

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## WORK EXPERIENCE

**Data Scientist**                                                                 **Jul 2022 – Present**
*Fiddlehead Technology*                                                                     *Moncton, NB*
- Project lead on several time series forecasting pipelines with multinational clients.
- Developer of Fiddlehead's internal time series statistical software package in Python.
- Created an NLP project analyzing sentiment in news articles towards food label claims and summarized technical results in a large report for the Canadian Food Innovation Network.
- Conducted dozens of interviews for data scientists and mentored several new hires.

**Head Teaching Assistant**                                                     **Sep 2020 – Apr 2022**
*University of British Columbia*                                                            *Vancouver, BC*
- Appointed as Head TA after high student survey ratings for ability to explain complex topics.
- Lead all TAs for UBC's calculus course and created teaching plans/problem sets.

**Research Scientist**                                                               **Jun 2017 – Aug 2020**
*C-Therm Technologies*                                                                   *Fredericton, NB*
- (8-month contract after graduation from BSc and 3 summer internships).
- Project lead for the "Flex TPS" algorithm, now one of C-Therm's core products (retail $9,000).
- Designed and implemented novel, cutting-edge thermal physics regression algorithms in Python to extract thermal properties of materials from experimental curves.
- Publication: Temperature fields generated by a circular heat source (CHS) in an infinite isotropic medium: Treatment of contact resistances with application to thin films - International Journal of Heat and Mass Transfer.

## EDUCATION

**University of British Columbia**                                                              **Apr 2022**
*Master of Science, Mathematics*                                                           *Vancouver, BC*
- Awards: NSERC CGS-M, Faculty of Graduate Studies Award.

**University of New Brunswick**                                                               **Dec 2019**
*Bachelor of Science, Mathematics & Physics*                                              *Fredericton, NB*
- Awards: Arthur and Sandra Irving Primrose Scholarship, 10 additional scholarships.

## CERTIFICIFATIONS AND SKILLS

Microsoft Certified: Azure Data Science Associate (DP-100); Python; SQL; Azure ML; MLOps; MLFlow; Time Series; Sales Modeling; Forecasting; Machine Learning; MAP, MLE, Bayesian Modelling; Agile Project Management; Julia; MATLAB; Git; Leadership; LaTeX;