

# TRISTAN FORD, BASC, EIT, PMP

Transportation Planning and Engineering Specialist



## EXPERIENCE

### Transit Planner

BC Transit

August 2021 – Ongoing      Victoria, BC

- Operational service planning and optimization for the Victoria Regional Transit System
- Transportation modeling and forecasting to predict ridership and GHG emissions
- Planning and management of the Salt Spring Island transportation network

### Signalling & Train Control EIT

SNC-Lavalin

May 2018 – August 2021      Vancouver, BC

- Planned, budgeted and coordinated transportation infrastructure projects ranging from \$0.5M - \$3.0M
- Designed and implemented transportation engineering projects including communication systems and signalling upgrades
- Consulted and performed feasibility studies for Canadian transportation authorities such as TransLink

### Research Intern

University of Wurzburg

May 2017 – December 2017      Wurzburg, Bavaria

- Designed and successfully interfaced a custom molecular beam setup for multidimensional spectroscopy experiments
- Aided doctoral students with physical chemistry research with a focus on optical instruments

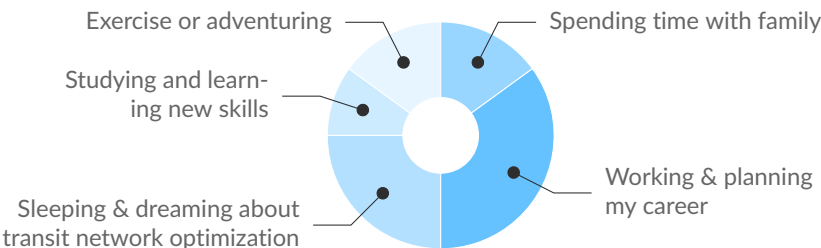
### Technician

General Fusion

January 2016 – April 2016      Burnaby, BC

- Constructed, maintained and aided in testing of the latest plasma injector model
- Increased efficiency in the machine assembly process by creating assembly books outlining the procedures and parts to be used

## A DAY OF MY LIFE



## ASSOCIATIONS

### Project Management Professional

Project Management Institute

December 2020 – Ongoing

### Engineer in Training

Engineers and Geoscientists British Columbia

July 2019 – Ongoing

## MOST PROUD OF



### Data-driven optimization

of transit service in the Victoria Regional Transit System including various tools and dashboards to grow ridership despite resource challenges



### ML ridership model

developed in under two months to help my company better understand the potential impacts of Covid-19 on transit

## STRENGTHS

Public Speaking

Leadership

Teamwork

Project Management

Transportation

Data Analysis & Modeling

Math & Physics

Python

R

VBA

React

C++

## LANGUAGES

English

French



## EDUCATION

### BASc in Engineering Physics

University of British Columbia

September 2014 – April 2019

### MASc in Transportation Engineering

University of British Columbia

September 2023 – Ongoing