

# Tristan Langer

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## EDUCATION

### UNIVERSITY OF VICTORIA

BSC IN COMPUTER SCIENCE

Dec 2023 | Victoria, BC

## COURSEWORK

### UNDERGRADUATE

Security Engineering

Operating systems

Computer Networks

Software Testing

Cryptography

Algorithms and Data structures

Massive Data Sets

Intro to Computer Graphics

Databases

Computer Architecture

Programming Languages

## SKILLS

### LANGUAGES

Python • TypeScript • Java

Javascript • C • HTML5 • CSS • SQL

### FRAMEWORKS/LIBRARIES

React.js • Next.js

### DATABASES

SQLite • MongoDB

### TECHNOLOGIES

Node.js • Figma • Kali Linux

## LINKS

LinkedIn://Tristan-Langer

Github://tritan89

## EXPERIENCE

### PROVINCE OF BRITISH COLUMBIA, INFORMATION SECURITY BRANCH | VULNERABILITY AND RISK MANAGEMENT CO-OP

May - August 2022 | Victoria, BC

- Worked with Cloud Based platform ServiceNow to build a security threat and risk assessment application using agile development methods.
- Developed in JavaScript, HTML and CSS.
- Participated in risk analysis and penetration testing for several applications.
- Involved with monitoring and awareness departments conducting internal phishing.
- Learned fundamental methodologies of security including the CIA triad, principle of least trust, and basic cryptographic practices.

### SHERWIN WILLIAMS | SALES ASSOCIATE

March - May 2022 | Victoria, BC

- Worked in a team-based job where organization and communication were essential.
- Took and filled orders for customers, matched paint samples and gave advice for painting.
- Practiced excellent customer relations and business etiquette.
- Leaned how to order and manage supplies while dealing with a shortage of materials.

## PROJECTS

### ROOT | TOURISM GUIDE APP

Designed a prototype in Figma and built the login and user database of the app using next.js, nextAuth.js and mongoDB.

### PERSONAL WEBSITE | PROGRAMMING BLOG

Built a blog style website using Next.js and Tailwind CSS for the styling.

### CYBERSCI REGIONAL COMPETITION | CYBERSECURITY CTF CHALLENGE

Used Kali Linux and its suite of tools to solve security challenges in a national competition. Our team Scored 19th in Canada in our first competition.

### ADVENT OF CODE | DAILY CODING CHALLENGE

Participated in the 2022 advent of code challenge.

## VOLUNTEERING

### WRESTLING COACH

- Help coached wrestling at high-schools in both Victoria and Vancouver.
- Lead practices and helped young wrestlers develop their skills