Tyler D. Wiebe

Computer Science Student

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SKILLS

Teamwork

Problem Solving

Working Alone

Leadership

Quick Learner

PROGRAMMING LANGUAGES

C#
Professional Working Proficiency

Java
Limited Working Proficiency

Python
Limited Working Proficiency

C++
Limited Working Proficiency

INTERESTS

Video Games | Guitar

Rubiks Cubes

Programming

Sports

Board Games

Reading

EDUCATION

Bachelor of Science in Computing Science

Trinity Western University

09/2017 - 04/2021 *Langley, BC, Canada*

Courses

- Machine Learning
- Bioinformatics Introduction
- Data Structures and Algorithms
- Artificial Intelligence
- Game Programming
- Calculus 3

WORK EXPERIENCE

Framer

TMAKS Carpentry

06/2020 - 09/2020

Achievements/Tasks

- House Framing
- Reading/Interpreting Blueprints

Research Assistant, Applied Research Lab, Trinity Western University

Dr. Herbert Tsang

05/2019 - 07/2019

Worked as a research assistant under Dr. Tsang at Trinity Western University

Achievements/Tasks

- Wrote and published a peer reviewed paper
- Debugging, Testing of RNA prediction/design algorithm
- Code Development
- Data Analysis
- Quickly Learn the Field of Study

Customer Service

Wiebe Truck Parts Inc.

05/2018 - 08/2018

Buy wrecked semi-trucks, part them out, sell the parts.

Achievements/Tasks

- Data Entry
- Receiving Part Orders
- Ensuring Deliveries are on route
- Sales
- Invoicing

TECHNICAL PROJECTS

Game Development Project 1 (01/2020 - 04/2020)

- Worked in an Agile Environment
- Lead the team as Project Manager
- Writing C# scripts for Game Features

TECHNICAL PROJECTS

Game Development Project 2 (09/2020 - 04/2021)

- Developed a Multiplayer Party Game in a Team Setting
- Lead the team as Project Manager
- Participated in Weekly Code Review
- Writing C# scripts for Game Features
- Worked with Audio Systems to augment Sound Effect

DNA-Protein Binding Specificity Binary Classification (01/2021 - 04/2021)

- Wrote and Developed LSTM program to do Binary Classification
- Wrote the program in Python
- Worked with Anaconda Environment and Cuda Cores
- Debugged and Tested the program to make sure it was running properly
- Analyzed Data after successful runs.

ACHIEVEMENTS

Published Peer Reviewed Paper (12/2019)

D. J. D. Hampson, T. Wiebe and H. H. Tsang, "Comparison of Two Folding Functions for RNA Secondary Structure Design," 2019 IEEE Symposium Series on Computational Intelligence (SSCI) , 2019, pp. 2946-2953, doi: 10.1109/SSCI44817.2019.9002762.

Presidents Scholarship (09/2019 - 09)

3.7 GPA is required to attain the scholarship - ($6000)

Provost Scholarships (09/2018 - 09/2019)

3.3 GPA is required to attain the scholarship - ($4000)

Deans Scholarship (09/2017 - 09/2018)

3.0 GPA is required to attain the scholarship - ($2000)

Dean's list

6 semesters - Requires an average GPA of 3.5 and 12 credits completed per semester.