OLIVER TONNESEN

Victoria, BC, Canada · (250) 208-4408 · oliver@tonnesen.com · github.com/otonnesen

Graduating Computer Science student at the University of Victoria. I'm most interested in backend and systems development.

EDUCATION

University of Victoria   *September 2017 – December 2020*
B.Sc. Combined Major Computer Science & Mathematics

PROJECTS

Compiler   *Spring 2020*
I wrote a compiler for a toy language that targets the JVM.
Technologies: Java, ANTLR3

Text Editor   *Summer 2020*
I made a terminal-based text editor inspired by Vim.
Technologies: C

Neural Network   *Spring 2020*
I and two others reproduced and extended a state of the art machine learning model designed to detect face spoofing.
Technologies: Python, PyTorch, TensorFlow

TCP Server   *Fall 2020*
I designed and implemented a server satisfying a subset of the TCP data transfer protocol, including connection synchronization, packet loss correction, and congestion control.
Technologies: Python

File System   *Spring 2019*
I made a Unix-style filesystem capable of formatting a virtual disk; creating and deleting files and directories; renaming, opening, and closing files; and file I/O.
Technologies: C

Personal Website   *Summer 2019*
I made a website to showcase some of my projects and practice writing Go.
Technologies: Go, HTML, JavaScript

EMPLOYMENT

McDonald's   *March 2015 – Present*
Team Leader   *Sooke, BC*

TECHNICAL STRENGTHS

Languages   Go, Python, C, JavaScript, SQL, Java
Tools   Linux, Git, PyTorch, TensorFlow