Daniel Todd

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Technical Skills

Languages
- ❖ C/C++, Python, Java, X86-64 Instruction Architecture, JavaScript
- ❖ By May 2023: MySQL

Applications
- ❖ Git, IntelliJ/Android Studio, Visual Studio Code, MATLAB
- ❖ By May 2023: Unix operating system development

Operating Systems
- ❖ Windows, Linux Ubuntu, Android

Transferrable Skills

Efficiency
- ❖ I always recognize patterns in repetitive tasks and optimize my work to make my time more valuable

Creativity
- ❖ I consistently find myself thinking outside of the box to form unique solutions to complex problems

Communication
- ❖ Being a cook for many years, I have gained a powerful communication skillset which allows for clear and thoughtful communication with both my team and my clients

Education

Computing Science - Simon Fraser University | January 2021 – June 2025

Projects

CMPT 361 – Line & Triangle Rasterization | November 2022 – December 2022
- ❖ Implemented rendering of cubes & spheres via triangle rasterization in JavaScript, Blinn-Phong shading with directed light source, surface texturing, and barycentric interpolation for surface color

CMPT 276 - RaccoonGame | January 2022 – April 2022
- ❖ Worked with two other team members to develop a game using the agile development process
- ❖ Refined cooperation and time management skills within large groups, as well as improve problem solving and creativity skills

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Projects Continued

CMPT 225 – Skip List | December 2021

❖ Implemented the skip list abstract datatype in C++, using git and a linked list-based structure

❖ Took a day to complete and taught me a lot about segmentation faults, how to trace their origin, and then fix them

CMPT 125 – Database | August 2021

❖ The project acts as a virtual appointment book, which acts as a vector of appointments. Each appointment has a name, a date, and a type (birthday, doctor's appointment, etc.)

❖ Additionally, you could sort through the appointment book via either date, name, or type

Gatorblocks Wear | May 2020

❖ Redesigned the school calendar app from Walnut Grove Secondary to work on android smart watches

❖ At the time I only knew python and went out of my way to learn Android, and by effect Java.

❖ Shows my great improvement through the last two years, as well as my long-lived passion for programming

Experience

Culinary Team Leader | The Hard Bean Brunch Co. | April 2022 - Present

❖ Using problem solving and communication skills to ensure high kitchen morale and quality meal preparation with minimal customer wait times

Line Cook | Browns Socialhouse | September 2018 – April 2022

❖ Learned how to be an effective team member, how to work efficiently under considerable pressure for extended periods of time, and basic cooking and food safety techniques

Server/Bartender |WINGS Langley| March 2021 – August 2021

❖ Development of customer service skills derived from working in the front of a restaurant rather than the back.

Delivery Driver| Skip the Dishes| January 2021 – October 2021

❖ Worked as a delivery driver for Skip the Dishes on the side while working at Browns Socialhouse, Royal Rose Cleaning, and WINGS

House Cleaner| Royal Rose Cleaning| January 2021 – June 2021

❖ Learned how to weigh time and quality for an agreeable cost of cleaning, as well as improving my eye for detail

Meat Clerk| Hakams Independent Grocer | June 2017 – August 2018

❖ Learned the values and expectations of a workplace, crucial time management skills which founded strong efficiency and communication skills