



Nikolas Vahlas

Year 3, Computer Science Major

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TECHNICAL SKILLS

- **Programming:** Java, C, C++, Object Oriented Programming
- **Tools/Environment:** GitHub, IntelliJ, Visual Studio Code
- **Testing:** JUnit, GDB
- **Web:** HTML5, CSS, JavaScript, Node.js, PHP

PROJECTS

Gesture Jack | *JavaScript, Node.js, MongoDB, HTML, CSS* **August 2023**

- Merged traditional Blackjack gameplay with modern gesture controls in an 8-bit design.
- Utilized the MediaPipe API for instant gesture recognition, enhancing user experience and responsiveness.
- Implemented backend features enabling users to register, log in, and maintain their game progress and balance with secure authentication.
- Designed and implemented an 8-bit styled user interface using HTML and CSS, complemented by game logic engineered in JavaScript.

GrandPrixPulse | *PHP, MySQL, HTML, CSS* **July 2023 – August 2023**

- Consolidated extensive historical data, offering insights into drivers, team principals, lap times, and seasonal race results.
- Managed a team of 3 members by planning and delegating tasks to complete project within the 1-month deadline.
- Modeled intricate relationships between entities like drivers, sponsors, car models, and engine manufacturers, facilitating in-depth analysis.
- Leveraged PHP/MySQL for backend operations and HTML/CSS for an intuitive frontend user experience.

FitTrack | *Java, Object Oriented Programming (OOP), JSON, JUnit* **September 2022 – December 2022**

- Designed a desktop app that allows users to track their nutritional intake day-to-day.
- Developed a user-friendly interface using Java Swing, enabling users to add custom food entries for personalized dietary tracking.
- Implemented detailed tracking of macronutrients and calories with JSON data management for secure and accessible user data storage.
- Achieved 100% code coverage by conducting rigorous unit testing using JUnit, bolstering application robustness and reliability.

EXTRACURRICULARS

nwHacks

Participant

January 2023

Vancouver, BC

- Collaborated with a team at the nwHacks hackathon to design and initiate the development of a platform that matches hackathon participants based on shared interests and complementary skill sets.
- Spearheaded the frontend development, implementing interactive and user-centric logic using JavaScript to enhance the user experience and facilitate effective team formation.

WORK EXPERIENCE

Downlow Chicken

October 2022 – April 2023

Crew Member

Vancouver, BC

- Maintained high standards of customer service during high-volume, fast-paced operations.
- Followed procedures for safe food preparation, assembly, and presentation.
- Worked with up to 8 coworkers to sell over \$9900 worth of product per day.

Jim's Mowing Bay Ridge

May 2022 – August 2022

Landscaper

Surrey, BC

- Worked on large hardscaping projects, such as water features and patios.
- Collaborated with coworkers to mow up to 30 lawns daily.

Below The Belt

May 2021 – August 2021

Sales Associate

Langley, BC

- Handled POS transactions logging up to 40 sales daily.
- Held the sales record for 5 weeks while working part time and competing with full time employees.
- Collaborated with and supported other retail team members to sell over \$3000 worth of apparel daily.
- Maintained a high level of customer satisfaction by answering questions regarding pricing and merchandise.

VOLUNTEER EXPERIENCE

Soccer Uniform Drive

August 2020 – September 2020

Organizer

Surrey, BC

- Coordinated collection and delivery of 300+ uniforms to The Smile of the Child in Athens, Greece.

EDUCATION

University of British Columbia

Expected graduation December 2025

BSc, Computer Science

Vancouver, BC