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Otto Willborn

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Work Experience

Application Developer   **Government of B.C** .   **Sep 2022–May 2023**
Victoria, B.C.

- Modernized government web applications by collaborating in an agile development team.
- Delivered all sprint tasks across 8 iterations, contributing to on-time releases.
- Resolved critical bugs and implemented new features that reduced support requests by 20%.
- Adapted to a new tech stack within 2 weeks, enabling early and meaningful contributions to the team.

Team Leader   **Stormlight Outfitters**   **May 2023–Sep 2023**
Tofino, B.C.

- Mastered inventory quickly and shared outdoor knowledge to enhance customer engagement.
- Updated spreadsheets with precision, ensuring error-free data entry and reporting.
- Independently managed store operations, ensuring daily targets were met while supervising staff.

Education and Certifications

- **Bachelor of Software Engineering,** University of Victoria, B.C.   **Sep 2020–Present**

  Completed courses include Algorithms and Data Structures, Communication Networks, Software Development Methods, Software Testing, Cryptography, Embedded Systems, Data Mining

Technologies and Languages

- Languages: Java, Swift, Python, C/C++, Rust, Haskell
- Frameworks/Tools: React, Vue, Scikit-learn, PyTorch, Firebase, Postman, Docker
- Databases/Cloud: MySQL, Azure, Git, Linux

Projects

NBA Draft Prediction Project

- Built ML models to predict NBA draft outcomes from NCAA/international stats.
- Collected and cleaned large datasets, engineered efficiency metrics, and applied cross-validation for model tuning.
- Achieved ~9.6 pick error with Linear Regression, comparable to professional mock drafts.

TalkALot — Audio clip social media platform

- Built an iOS app allowing users to record and share audio clips using AVFoundation.
- Integrated Firebase for secure user authentication and cloud storage.
- Practiced agile feature development through regular requirements gathering.