Joren Dryden

Estevan/Saskatoon, Saskatchewan ● linkedin.com/in/jorendryden ● jorendryden.github.io ● joren [at] sasktel [dot] net

Education

9/2020 - Present   **University of Saskatchewan - Bachelor of Sciences (B.Sc) in Computer Science**
- ➤ Course work focus includes: DS&A, OOP, social computing, artificial intelligence, systems programming, software engineering, full-stack web programming, game development, and GUI implementation.

9/2020 - Present   **University of Saskatchewan - Bachelor of Arts (B.A) in Philosophy**
- ➤ Course work focus includes: morality & ethical theory, metaphysics, early modern philosophy, philosophy of mind, and symbolic logic.

9/2016 - 4/2020   **Estevan Comprehensive School, Estevan, Saskatchewan**
- ➤ Distinction Award (11 & 12), Honour Roll (9 - 12), Awarded 5 Scholarships ($500 - $2000)
- ➤ University of Waterloo Canadian Senior Mathematics competition, placed 1st locally, 41st provincially.

Experience

5/2022 - 9/2025   **Summer Student (Logistics) - SaskPower, Saskatoon/Estevan, Saskatchewan**
- ➤ Locate and issue an extensive range of parts, equipment, and consumables, for various tradespeople.
- ➤ Use computer software (SAP) to manage inventory, access mill-certifications, fill work-orders, and submit purchase requisitions.
- ➤ Mentoring/supervising younger summer students

4/2018 - 9/2021   **Warehouse Associate - Peavey Mart, Estevan, Saskatchewan**
- ➤ Stock product, customer service, forklift operation, floor planning, and mentoring new employees.

Projects

TurtleShell - Encrypted Password Manager [Project Lead]
Course: CMPT370 Intermediate Software Engineering
- ➤ A locally hosted encryption manager built to securely store passwords without relying on cloud services.
- ➤ Developed using Java, CSS, JavaFX, and Java Crypto library.
- ➤ Organized the overall structure of the project and directed team members as the project lead.

NeroBot - Discord Music Bot [Sole Developer]
Personal Project
- ➤ A self-hostable discord but that plays audio from youtube based on interaction from server users.
- ➤ Developed in Python using yt-vdl, ffmpeg, and other python packages.

Procedural Generation and A* Pathing Demo [Sole Developer]
Course: CMPT306 Game Mechanics
- ➤ A demo in which an agent paths around a procedurally generated area via the A* pathing algorithm.
- ➤ Developed in GDScript. Graphics independently made in GIMP and the audio was created in FL Studio.

Harvest 306 - Progression-based Farming Game [Project Lead]
Course: CMPT306 Game Mechanics
- ➤ A farming game where the player plants, waters, and harvests various crops in exchange for currency to purchase upgrades.
- ➤ Developed in GDScript. Graphics independently made in GIMP and the audio was created in FL Studio.
- ➤ Organized the overall structure of the project and directed team members as the project lead.

Technical & Interpersonal Skills

- SAP (Inventory Management)
- Java, Python, C, GDScript, HTML, CSS, GIT, Docker, Linux, BASH,
- Forklift Operation
- GIMP, FL Studio, Excel, Word, & Powerpoint
- Exceptionally proficient general computer skills
- Highly organized and punctual
- Friendly personality and a positive attitude.
- Proven ability to thrive in dynamic environments and tackle diverse challenges
- Excellent communication skills

Extracurricular

- Frequent Donor at Canadian Blood Services
- Social Media Manager/Lodge Assistant at the Elks of Canada
- Owner of ~100 member discord community
- Member of the USask Philosophy Student Society

Licenses and Certifications

- Class 5 driver's licence
- Forklift certification
- WHIMIS

Interests & Hobbies

- Music Production
- Game Development & Programming
- PC Gaming
- Film and Music
- Philosophy
- Travelling

References

Mr. Kelly Pastachak	Mrs. Deanne Compton	Mr. Curtis Mooney
Supervisor	Manager	Manager
SaskPower	SaskPower	SaskPower
Estevan, SK	Estevan, SK	Saskatoon, SK

*contact information for references has been omitted to avoid web scrapping, information can be provided upon request.