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## EDUCATION

University of New Brunswick	Fredericton, New Brunswick	Sept 2019 — Apr 2023
• <b>B. Sc of Computer Science</b>		GPA: 3.7 (Cumulative)

## EXPERIENCE

Data Engineering Intern	TD Bank	May 2021 - August 2021
<ul style="list-style-type: none"><li>Applied machine learning &amp; NLP techniques to identify database fields that contain customer data restricted by privacy laws</li><li>Developed Python pipeline for AWS Lambda to identify relevant metadata entries using BOW features for SVM classification</li><li>Analyzed data stored in PostgreSQL with tools from the NLTK &amp; Gensim libraries as part of an Agile team</li></ul>		

Software Engineering Tutor	University of New Brunswick	Nov 2020 - Present
<ul style="list-style-type: none"><li>Teaching students on computer science practices, including but not limited to; web development with HTML/CSS, security, NLP, machine-level programming, algorithms &amp; mathematical logic</li></ul>		

Math & Calculus Tutor	John Abbott College	2012 - 2016
<ul style="list-style-type: none"><li>Teaching high school students topics related to grade 7-11 math basics, including algebra, pre-calculus and more</li></ul>		

## TECHNICAL SKILLS

- Languages: Java, C, JS, PHP, Python, SQL, HTML/CSS, Bash
- Frameworks and Libraries: Spring, Node.js, Vue.js
- Tools: Git, Linux, Docker, AWS (DynamoDB, Kinesis, S3, EC2), Gradle, Maven, Jira, JWT, CI/CD

## PROJECTS

### Orc Rush

<https://github.com/hugocornellier/orc-rush-tower-defense>

- Tower defense application developed as a team-based Agile project. Written in vanilla **JS**, UI provided through **HTML/CSS**

### UNB Live Poker (2-5 Players)

<https://github.com/hugocornellier/unb-poker>

- Online Texas Holdem game with HTTPS & HTTP functionality
- Server written in **nodeJS**. UI is provided through **HTML/CSS** and **JS**. Developed as a team-based Agile project

### FAT32 Disk Image Browser

<https://github.com/hugocornellier/fat32-reader>

- Wrote a program that performs operations to FAT32 disk images: read, browse, extract and write
- Program written in **C**

### Caterpillar (Classic Arcade Remake)

<https://github.com/hugocornellier/caterpillar-arcade-game-C>

- Weekend project remake of the classic arcade game: Snake. Written in vanilla **JS**, UI provided through **HTML/CSS**

### To-Do-Ganizer

<https://github.com/hugocornellier/to-do-ganizer-javafx>

- Produced a demo of an application to streamline the organization of school deliverables for students and teachers
- Implemented display with **Java** & **JavaFX**

## AWARDS

### Dean's List 2022-2023 (University of New Brunswick)

- Received **Dean's List** honors with a 3.77 GPA during grad year