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**Hugo Cornellier**  
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## EDUCATION

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

## EXPERIENCE

**Data Engineering Intern**      **TD Bank**      **May 2021 - August 2021**  
• Applied machine learning & NLP techniques to identify database fields that contain customer data restricted by privacy laws  
• Developed Python pipeline for AWS Lambda to identify relevant metadata entries using BOW features for SVM classification  
• Analyzed data stored in PostgreSQL with tools from the NLTK & Gensim libraries as part of an Agile team

**Software Engineering Tutor**      **University of New Brunswick**      **Nov 2020 - Present**  
• Teaching students on computer science practices, including but not limited to; web development with HTML/CSS, security, NLP, machine-level programming, algorithms & mathematical logic

**Math & Calculus Tutor**      **John Abbott College**      **2012 - 2016**  
• Teaching high school students topics related to grade 7-11 math basics, including algebra, pre-calculus and more

## 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