# Abdullah Ishtiaq

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## SKILLS & INTERESTS

**Languages:** Python, Java HTML, CSS, Javascript, Assembly, SQL, C/C++

**Frameworks/Tools:** React.js, Git, JUnit, Tkinter, Pygame, Visual Studio Code, Eclipse, PyCharm, IntelliJ, GitHub, MySQL, Microsoft Office, Micorosoft 365 Security Services, Figma, SSH, Data Analysis, Zoom, MongoDB, Vercel

**Others:** UML, data structures, software development life cycle (SDLC), computer networks, excellent communication, problem-solving, good time-management, teamwork, analytical thinking, task-centered system design, user-centered system design, action-oriented

## PROJECTS

**Self-Checkout Station (**Self-checkout Station**) |** *Java, Swing, GitHub*
- Leader of a group of 5 people in a team of 22 for the back-end production of the software, building an efficient self-checkout system that provides a thorough experience of using a self-checkout station. UML diagrams assisted the final development of the project as well as JUnit testing for quality assurance.
- Key concepts in the production were object-oriented programming and development, JUnit Testing, GUI configuration using Swing, working with Git, and using a hardware simulation API.

**Pig Game (**Pig_Game**) |** *Python, Tkinter*
- Developed a 2-player game, called the pig game, as an executable file.
- Leveraged the **Random** library to simulate dice rolls and for overall game dynamics.
- Used the Tkinter framework to create an engaging and user-friendly gaming experience that's visually appealing to an individual.

**Public Information Kiosk (**Calgary-Kiosk**) |** *React.js, CSS, Google Maps API*
- Led the design of an information kiosk interface deployed as a **web application.**
- Employed **Task-Centered System Design (TCSD)** that focuses on real-world user tasks to guide the development of different functionalities and system design within the web application.
- Conducted **surveys** and **interviews** which helped cater the design to be diverse according to users' needs and preferences.

## EDUCATION

**University of Calgary**                                                                                    *09/2022 – Present*

*Bachelor of Science – Computer Science*

- **Concentration:** Software Engineering
- **Achievements:** Dean's List 2021, Recipient of Alexander Rutherford Scholarship, Recipient of Jason Lang Scholarship.

**Certification:**
- The complete 2023 Web Development Bootcamp                                *Udemy, December 2023*

## PROFESSIONAL EXPERIENCE

**Sales Associate |** *H&M*                                                                                  *05/2022 – 08/2022*
- Worked professionally within a fast-paced work environment.
- Provided exceptional customer service through strong knowledge of H&M merchandise.
- Worked within a dynamic team to reach company goals and maintain high standards.
- Strong interpersonal and communication skills for ultimate customer satisfaction.

## RELEVANT COURSEWORK

**SENG 300 –** Worked on a large-scale team project, leading the software implementation division within the team.

**CPSC 481** – Focused on the design, evaluation, and implementation of interactive computing systems for human use and the study of major phenomena surrounding them.