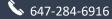
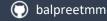
BALPREET MANGAT

□ bk3manga@uwaterloo.ca



in Balpreet Mangat



KEY SKILLS

- Programming Languages: C++, C, Python, JavaScript, HTML, and CSS
- Tools/Technologies: React.js, Bootstrap, Git, Linux OS, Atom, Eclipse, VS Code
- Learning This Term: On Udemy Angular, SQL
- Soft Skills: Communication, Problem Solving, Teamwork, Leadership, and Fast-Learner

EDUCATION

Candidate for Bachelor of Computer Science, University of Waterloo

September 2018 – April 2023

WORK EXPERIENCE

Software Developer, OpenText (Cancelled due to COVID)

May 2020 – August 2020

Web Developer & Designer, Siva Creative

May 2019 – August 2019

- Transformed high-level concepts and designs by graphic design team into functional websites using front-end development tools such as HTML, CSS, and WordPress
- Implemented CSS framework Bootstrap to create responsive web-design and mobile-friendly components
- Effectively balanced multiple projects with shifting priorities and executed tasks in fast-paced environment
- Worked with multi-disciplinary team to streamline web development processes, decreasing project time estimations by 10%
- Highly responsive to work-related requests from colleagues and clients, with appropriate modifications made within 1-2 days

PROJECTS

RAllnet, Group Project December 2019

- Developed a two-player desktop game application, similar in style to Stratego, using modern C++ libraries (STL)
- Conceptualized and designed a solid **object-orientated** program, with advanced knowledge and considerations for program **resiliency**, design patterns (Factory Design Pattern, Observer Pattern, Non-Virtual Interface) and **encapsulation** of data
- Collaborated with team to create the **front-end** of web application using XWindow, allowing for interactive graphics

Saveify, Group Project January 2019

- Programmed a website which helps University students' budget weekly expenditure, with custom tailored strategies and recommendations to improve cash flow
- Contributed to the front-end development (HTML, CSS, JavaScript) to make the website interactive, with an appealing and responsive interface

Spider Solitaire, Personal Project

November 2018

- Created a single player Windows desktop application, where users a play spinoff of the traditional card game Solitaire
- Implemented back-end functionality with **C** using modular programming, while maximizing runtime efficiency using dynamic ADTs

VOLUNTEER EXPERIENCE

Co-Founder and Director of Events, Rise Above Adversity

June 2018 – September 2019

- Founded a non-profit organization with the primary goal of increasing community awareness amongst youth
- Reached out to 200+ youth in the GTA to promote social justice and connected 45 youths to volunteer locations
- Planned multiple events alongside Mayor of Brampton and Peel School Trustees, where attendees were inspired by level of advocacy and opportunity for community change

HONOURS AND AWARDS