Matthew Panizza

2A Computer Engineering

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mattpanizza.com   github.com/ShrillHarrier   in/mattpanizza

Skills

Languages: Java, Javascript, SQL, Python, C++, C#
Web Development: ReactJS, NodeJS, ExpressJS, HTML5, CSS, BootStrap4
Tools/Libraries: Git, pgAdmin4, Postman, JIRA, Unity, Eclipse

Projects

PicnicAbility   Summer 2020
- Utilized **ReactJS** to design a blog-style webpage allowing users to find accessible travel
- Developed a database using **PostgreSQL** to store destination reviews and articles
- Created **NodeJS** server endpoints to receive and send new travel reviews to the website
- Implemented the **Google Maps API** to display a live map of reviewed destinations
- Wrote and executed server-side test cases using **Postman**, through HTTP requests

Personal Portfolio   Spring 2020
- Built a website showcasing my information and projects using **ReactJS** and **CSS**
- Made use of **React Props** by creating templates for reusable designs across the site
- Integrated **BootStrap4**'s navigation bar, jumbotron and cards to enhance UI/UX
- Performed functional testing to ensuring responsiveness on mobile devices

TurretWarfare   Fall 2019
- Used **Unity 2D** to developed a top-down, turret-defense game with a military theme
- Wrote **C# scripts** to incorporate classes, a physics engine, prefabs and sprites
- Created game graphics, **GUI** elements and backgrounds using Google Drawings

ScribbleApp   Spring 2018
- Developed a sketching app using **Python's Tkinter library** allowing users to paint drawings
- Added dropdown menus, sliders and radio buttons to strengthen user customization
- Implemented nested event functions that synchronously receive user input to render shapes

Experience

Algorithm Design Club Executive   Sept. 2018 - Feb. 2019
Iroquois Ridge High School
- Co-founded a club that taught members intermediate principles of **Java** programming weekly
- Covered basic programming, sorting algorithms, binary search, graph theory and time complexity

Customer Service Clerk   Nov. 2017 - Sept. 2019
Longo's Brothers Fruit Markets
- Responded to customers' issues and requests to ensure a positive experience
- Trained and managed new employees recruited to my department

Education

University of Waterloo   Sept. 2019 - April 2024
Candidate for BASc in Computer Engineering
- Relevant Coursework: Algorithms and Data Structures - **C++**, hashing, binary search trees, heaps
- Recipient of Bayer Canada Scholarship ($14000) and President's Scholarship of Distinction ($2000)