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SOFTWARE PROJECTS

Website Hosting Sales Website - [click for repo](#)

Created a website for viewing hosting plans for clients. Developed with HTML, CSS, Bootstrap, React, Node using their express library. Worked with passport JS to authenticate users and used MongoDB to keep track of orders and requests.

Todo List App - [click for demo](#).

Designed and implemented a Todo list app using HTML, CSS, and JavaScript without using any frameworks. You can store your lists locally by default so you don't have to worry about losing your list when you close the tab.

Playlist generator with Markov's Chain built at ConUHacks V, 2021

Built an algorithm with markov's chain to create playlists with Touchtunes's music API. The generated playlist depended on what people around the user was listening to and suggested those songs. At the end of each run, it outputs a probability density function to view the weights of the songs.

RBC automated help desk built at McHacks, 2020

Designed and implemented an automated call center which can be accessed through Google Assistant and Amazon Alexa using APIs from [RBC open developer tools](#) and Google's [Dialogflow](#). The call center can mock cancel credit cards, balance inquiries, and schedule appointments. Developed a multiplatform (Android/iOS/Web) app using Flutter and Firebase Cloud to interact with the help desk outside of voice assistants.

Ticket creator

Made a ticketing software using C that allowed customers to submit tickets for any bugs they faced that would later be fixed by a developer.

EXPERIENCE

CBSG (Capacity Building Service Group) (2021)

Maintained their G-suit user accounts and their internal logistics system. Created and maintained CBSG Canada's website using HTML, CSS, Bootstrap Library, jQuery, JavaScript and the backend using PHP. My task was to build an eye-catching website to attract new clients to the company and maintain it. Maintained their database using MySQL.

Nerd Community (2017-2018)

A free service provided by experienced tutors to high school students

Helped organize website data for easier user access and created video lecture content for Advanced Level Mathematics and Physics.

EDUCATION

Seneca College

Computer Programming
Jan 2021 - Aug 2022 Toronto

SKILLS

- Proficient in Java, Javascript, Sass, C, C++, Python, PyTest, MySQL, Flutter, Git, Bash, Unix, Mathematica and UML
- Web-dev: HTML, CSS, bootstrap, Node.js, Express, React, Passport.js, MongoDB, jQuery, PHP.
- Comfortable with

COURSEWORK

- Object-Oriented Programming
- Data Structures and Algorithms
- Systems Hardware
- Web development
- Numerical Computing
- Discrete Structures
- Probability and Statistics
- Multivariable Calculus
- Linear Algebra
- Analysis
- Web development
- System design

AWARDS

- Bangladesh Maths Olympiad, placed top 20 out of 500 participants (2017, 2015)
- Bangladesh Physics Olympiad, placed 3rd out of 300 participants (2016)
- Bangladesh Informatics Olympiad, placed 2nd out of 200 participants (2016)

