

ANITA CHEUNG

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Technical Skills

Languages: Python, Java, C, HTML, CSS, JavaScript, TypeScript, GraphQL

Frameworks: Express, Node.js, Bootstrap, Jest

Libraries: NextJS, React, React-Redux, Material UI, Framer-Motion, React Testing Library, Zustand

Databases: MongoDB, PostgreSQL

Dev Tools: Visual Studio Code, Git, Linux, Heroku, Github Action, AWS

Experience

Frontend Developer

Jan, 2023 – Apr, 2023

The Regulatory and Affective Dynamics Lab - University of Toronto

Remote – Toronto, Canada

- Designed and developed a web application using HTML, CSS, JavaScript, React
- Utilized the face-api library to track 68 points face landmark for breathing detection
- Applied responsive design principles to ensure that the application was optimized for a variety of devices and user needs
- Worked with REST APIs to retrieve and display data from databases

Data Analyst

Sep, 2019 – Apr, 2020

Innovation Hub - Univeristy of Toronto

Toronto, Canada

- Participated in a project to label interview data to improve data analysis for sentiment analysis
- Utilized data labeling techniques to extract valuable insights from interview data and provide meaningful recommendations to stakeholders based on the results

Projects

The Timetable Factory 4.0 🐙 🐙 | *TypeScript, NextJS, NodeJS, PostgreSQL, Zustand*

Aug, 2023 - Current

- Developed and maintained a web application serving over 50,000 users using Next.js, Node.js, GraphQL, PostgreSQL.
- Implemented Zustand for state management, AuthJS for authentication functionalities, Material-UI (MUI) for UI components in the frontend and utilized Google Analytics for tracking and analytics.
- Implemented GraphQL schemas, resolvers, and data models for efficient data querying and integrated Node.js for API with secure access control, leveraging PostgreSQL for efficient storage and management of user schedule data.
- Designed and implemented intricate scheduling algorithms to enable precise representation of course schedules, accommodating non-standard start and end times while allowing users to set schedules with five-minute increments.
- Employed efficient coding techniques to enhance the application's responsiveness and speed.

League Statistic Discord Bot 🐙 🐙 | *Python, Pytest, Git*

May, 2023

- Developed a discord bot using Python and discord.py, enabling reception and response to user's slash commands
- Leveraged Riot Request API to retrieve real-time statistic for League of Legends, ensuring up-to-date data for users
- Utilized Matplotlib to visualize summoner's statistics, presenting insightful displays of the data
- Conducted testing of Riot Request API integration using PyTest fixtures, ensuring reliability of the bot
- Hosted the bot on Raspberry Pi, strategically reducing the marginal cost associated with hosting and deployment

Portfolio Site 🐙 🐙 | *HTML, CSS, JavaScript, Bootstrap*

Dec, 2022

- Demonstrated front-end web development proficiency by developing a personal portfolio website using a combination of HTML, CSS, JavaScript, and Bootstrap.
- Proficiently leveraged Bootstrap's grid system and components to ensure optimal content presentation on various devices, enhancing accessibility and usability.

Education

University of Toronto

June, 2023

Major in Computer Science and Kinesiology

Toronto, Ontario

Relevant Coursework

- Data Structures and Algorithms Analysis
- Intro to Software Engineering
- Software Design
- Computer Architecture