

# ARJUNVIR SIDHU

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## TECHNICAL SKILLS

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Languages: C/C++, Javascript, Python, Java

Frameworks/Libraries: React.js, Axios, Pandas/Numpy, Tailwind CSS, Bootstrap

Other: APIs, Github, Valgrind, Makefile, Documentation, Linux, Exception Handling

## PROJECTS

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### Portfolio Website - JavaScript, React.js, HTML/CSS 2022

- Used React Hooks (useState, useEffect) and event listeners to build various responsive and reactive features
- Implemented EmailJS API to build an interactive contact form on the web page for convenient contacting

### Stock Trading Bot - Python, Pandas/Numpy 2022

- Created a trading bot with Interactive Brokers' TWS API, implemented threading so bot can run simultaneously with bar data collection
- Developed with Pandas/Numpy for managing and manipulating inbound bar data in arrays
- Developed additional technical bot logic which led to an increase in profit factor (back-tested with Tradingview's Pine Script)

### Weather App - JavaScript, React.js, Tailwind CSS 2022

- Used OpenWeatherMap's API alongside React hooks to fetch weather info and reactive user input
- Improved the app by implementing Geolocation API to get user's current location and React-Toastify to update user on current operations

### Pokedex App - JavaScript, React.js, HTML/CSS 2022

- Built an app that displays information about the Pokemon searched. Used react hooks to store the name of Pokemon entered and the information of each Pokemon searched
- Used Axios to fetch data from Poke API about the Pokemon which is then stored using a react hook and displayed onto the screen

## EDUCATION

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### Bachelor of Computing Honours: Computer Science Co-op September 2021 - PRESENT

Key Academic Projects:

### Linux Terminal Twitter - C, Linux 2022

- Created a twitter like app which uses a linked list and dynamic memory allocation to store tweets in a linux environment.
- Improved the app by allowing user to import, export and sort tweets using Bubble Sort and Valgrind to check for memory leaks.

### Relevant Courses:

Programming 1 & 2, Discrete Math 1 & 2

Linear Algebra & Calculus

OOP (current), Data Structures (current), Microcomputers (current)

Operating Systems (planned)

Software Systems and Development Integration (planned)

Analysis and Design of Computer Algorithms (planned)

## WORK EXPERIENCE

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### Screener/Rapid Tester - Schlegel Villages May 2020 - PRESENT

- Handling various difficult customer interactions achieving satisfaction on both sides by being able to uncover and solve the client's needs
- Interacted with a database on a daily basis to keep client's screening and testing information/visitation history