TRISTAN PARRY

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TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, HTML/CSS, C++, PowerShell, PHP

Frameworks/Tools/Environments: React, ¡Query, Angular, Git, MongoDB, Express, Node.js, Heroku, Firebase

PROJECTS

Multility | Java, Android Studio

Jun. 2020 - Sep. 2020

- · Developed a mobile Android application using Java/Android Studio to house multiple utilities
- Implemented tip calculator, stopwatch, notepad, password generator, fact generator and news page Android fragments
- Led a team of 6 to organize development deadlines and app completion targets
- Published the application to the Google Play Store gaining an average 4.8/5-star review
- FoodFind | JavaScript, HTML/CSS, MongoDB, Express, React, Node.js

Jun. 2021 - Jul. 2021

- Developed a MERN Stack app to display proximal restaurants and grocery stores to a user's location
- Produced core functionality for location-based API fetching, using the Mapbox API and custom styling
- Built an Express server with various routes and a Mongoose schema to execute user GET, POST, and PUT requests
- · Utilized conditional rendering to promote FoodFind account security and a robust user experience
- BetterBanking | Java, MongoDB, Swing

May 2021 – Jun. 2021

- Produced a banking application containing fully functional chequing, saving, and investment accounts
- Generated a polymorphism-based object structure to truncate ≈ 48% of the application's account code
- · Incorporated Swing to build an interactive banking portal for user registration, login, and account operations
- Utilized a MongoDB Atlas cluster to save and manipulate user profiles and banking accounts
- RapidKeys | TypeScript, HTML/CSS, Angular, Node.js

Aug. 2021

- Created an Angular application to measure a user's real-time typing speed, errors, and accuracy
- Utilized the RxJS library to share TypeScript functions between components as Observables
- Dynamically updated state and markup using the ngFor directive and HTML inline event handlers
- Deployed to Firebase with the Angular CLI, and achieved a 100% "Best Practices" rating in Chrome audit
- Resonate | C++, JUCE

Jan. 2022

- Developed a reverb VST using the dsp::Reverb class for manipulation in any major Digital Audio Workstation
- Implemented audio processing functionality for reverb damping, size, width, wet/dry parameters
- Constructed VST plugin interface using the JUCE framework with dynamic colour sliders and value labels
- Maximized user efficiency with the juce::AudioProcessorValueTreeState class to integrate XML parameter recall

EXPERIENCE

Full Stack Developer Polaris Intelligence, Inc. Jan. 2022 - Apr. 2022

Toronto, ON

- Developed the Polaris Trend Analysis module using React/Plotly.js to delineate historical Canadian census data
- Employed Jira to solve over 70 bugs in the Polaris Intelligence platform and improve cross-browser compatibility
- Collaborated with senior developers using the Agile framework to facilitate the production of data mining software
- Orchestrated company meetings for Polaris Intelligence's codebase architecture and programmatic practices

Mircom Group of Companies

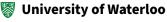
Jul. 2021 - Aug. 2021

Concord, ON

- Updated Active Directory users by developing PowerShell scripts to automate mass changes
- Constructed company dashboards and host groups in Nagios XI to regulate infrastructure monitoring
- Utilized Zendesk to solve company computer issues and generate scheduled IT reports

EDUCATION

IT Intern



Sep. 2021 – Apr. 2026