

TRISTAN PARRY






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TECHNICAL SKILLS



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

Frameworks/Tools/Environments: React, jQuery, 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 $\approx 48\%$ 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** Jan. 2022 – Apr. 2022
Polaris Intelligence, Inc. 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
-  **IT Intern** Jul. 2021 – Aug. 2021
Mircom Group of Companies 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

-  **University of Waterloo** Sep. 2021 – Apr. 2026
Candidate for Bachelors of Applied Science – Computer Engineering (Honours) Waterloo, ON