

Ayrton Parkinson

Ottawa, ON, Canada | (613) 252-6800 | Ayrton.Parkinson1@gmail.com
GitHub: <https://github.com/ayrt-n> | Personal Website: <https://www.ayrtonparkinson.dev>

Skills

Languages and Frameworks: Ruby, Ruby on Rails, GraphQL, SQL, React, JavaScript, HTML, CSS

Technologies and Other: Git, Webpack, Object-Oriented Programming and Design, Test-Driven Development, Data Structures and Algorithms, Full Stack Web Development, REST APIs, Amazon S3

Work Experience

Canada Deposit Insurance Corporation | Ottawa, ON

October 2020 – Present

Risk Manager

- Lead research and analysis on Canadian financial markets; identifying potential risks and communicating why it matters, as well as presenting and making recommendations to senior management to help manage credit risk
- Organize and lead working groups and technical presentations to share knowledge and generate discussions, identify ways to improve quality of work, and collaborate with other teams around the organization
- Developed tools to automate and improve efficiency of monitoring economic data and analytics work; tools have helped eliminate repetitive tasks, reducing the time required to retrieve and analyze data by up to 90%

Department of Finance Canada | Ottawa, ON

October 2017 – October 2020

Economist

- Produced analysis and developed models to analyze the impact of economic policy to support the Minister of Finance with timely, well-informed research and advice, including policy proposals with significant financial implications (\$100M+)
- Streamlined and automated data analysis work to reduce time required for tasks and improve quality of analysis

Software Projects

To-do List Web Application | Ruby on Rails, React, JavaScript, HTML, CSS

GitHub Repo: <https://github.com/ayrt-n/to-do-list-api>

Live on GitHub: <https://ayrt-n.github.io/to-do-list-client/>

- Designed, developed, and deployed to-do list tracking web application using Rails JSON API backend and React frontend
- User authentication using JSON Web Token, React Context used to easily manage user authentication and permissions
- Wrote unit and integration tests using Jest and RSpec, including tests for validating unauthorized/authorized API requests, error handling, handling user input, interacting with the database, and manipulating and displaying data to the user

Social Media Web Application | Ruby on Rails, JavaScript, HTML, CSS

GitHub Repo: <https://github.com/ayrt-n/odin-facebook-clone>

Live on Heroku: <https://facebuddies.herokuapp.com/>

- Designed, developed, and deployed social media web application; application allows users to add friends and share, comment on, and like posts and photos with friends
- User uploads stored in cloud via Amazon S3. User welcome and confirmation emails sent through Twilio SendGrid API
- Wrote unit and integration tests using Capybara and RSpec to test MVC components and end-to-end functionality

Command-Line Chess | Ruby

GitHub Repo: <https://github.com/ayrt-n/odin-chess>

Live on Replit: <https://replit.com/@ayrtonomics/CLI-Chess?v=1>

- Fully developed game of chess using Ruby, played through the command-line
- Used object-oriented design principles to keep code clean and modular and test-driven development using RSpec to implement and refactor game features safely and efficiently and minimize the potential for bugs in production

Education

Master of Arts in Economics | Queen's University

August 2016 – August 2017

Kingston, ON

Bachelor of Social Science in Economics | University of Ottawa

August 2012 – April 2016

Ottawa, ON