

Ayrton Parkinson

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GitHub: <https://github.com/ayrt-n> | Personal Website: <https://ayrtonparkinson.dev>

Skills

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

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

Education

Carleton University | Bachelor of Science in Computer Science
Ottawa, ON

Enrolled for Fall 2023

Queen's University | Master of Arts in Economics
Kingston, ON

August 2016 – August 2017

University of Ottawa | Bachelor of Social Science in Economics
Ottawa, ON

August 2012 – April 2016

Work Experience

Canada Deposit Insurance Corporation | Ottawa, ON
Risk Manager

October 2020 – Present

- Lead research and analysis on Canadian financial markets to identify potential risks, clearly communicate why it matters, and present and make recommendations to senior management to help manage credit risk
- 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
Economist

October 2017 – October 2020

- 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 / Open-Source Contributions

Invesddit | Finance-Related Social Media Platform | Ruby on Rails, React, JavaScript, HTML, Tailwind

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

Live on GitHub: <https://ayrt-n.github.io/invesddit/>

- Developed and deployed Invesddit, a full-stack finance-related content aggregation and discussion website using a Ruby on Rails API and React frontend. Application replicates core Reddit functionality, e.g., users are able to join or create sub-communities, share and discuss posts, links, or images, as well as vote on the best content
- Implemented variation of Reddit's ranking algorithms to build engaging post and comment feeds based on user's votes
- Used custom hooks/providers in React to avoid duplication, separate concerns, and keep code clean and maintainable
- 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

Command-Line Chess | Ruby

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

- Fully developed game of chess using Ruby, played through the command-line. Number of quality-of-life features implemented, including selecting and viewing all available moves, and ability to save/load games
- 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 while minimizing the potential for bugs in production

The Odin Project | Full-Stack Web Development Coding Curriculum | Open-Source Contributions

GitHub Repo: <https://github.com/TheOdinProject/curriculum>

- Member of and contributor to The Odin Project, an open source full-stack web development coding curriculum
- Made open-source contributions and merged improvements to the curriculum and lessons. Regularly help answer questions from other members via The Odin Project discord channel