

Dean Ding

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TECHNICAL SKILLS

React.js, Redux, Javascript, Ruby, Ruby on Rails, Node.js, Express.js, PostgreSQL, Python, MongoDB, Mongoose, Git, AWS, JQuery, HTML, CSS, AWS, Heroku, Webpack, Rspec, Test-Driven Development, Alteryx, Tableau, UiPath, Bloomberg Terminal, Excel

PROJECTS

Underhood | (React/Redux, Ruby on Rails, PostgreSQL)

[Live](#) | [GitHub](#)

Underhood, a Robinhood clone, is an online stock trading and market data news platform.

- Streamlined the user experiences when managing user portfolio and stock search function, allowing users to efficiently look up live prices and the latest current events from major news sources
- Leveraged Redux to optimize the flow of information management of React components, resulting in DRY readable code and increasing scalability of a single-page application
- Built a secure user authentication system, utilizing Bcrypt to hash and salt passwords, strengthening the protection of user data
- Implemented various APIs such as AlphaVantage, Finnhub, Chart.js & D3, and integrated their functions within a single-page

mapStatesToPost | (MongoDB, Express, React, Node)

[Live](#) | [GitHub](#)

mSTP is a MERN stack app for users to post, upload photos, and share postcards across the 50 US states.

- Leveraged GitHub's version control system and used a modular approach separating features to effectively collaborate with 3 engineers and increase production output.
- Set up image upload and deleting from the front end and handled image storage on AWS from the backend, and Leveraged DOM manipulation to ensure map markers are interactive with their respective listed DOM elements
- Created modular React components informed by Redux's single-state management to be implemented on multiple pages

Castlevania97 | (Javascript, HTML5, CSS, Webpack)

[Live](#) | [GitHub](#)

Castlevania97 is a javascript 2D fighting game rendered with HTML canvas inspired by arcade classics like KOF97 and Castlevania

- Designed all graphics rendering with dynamic frame rate using HTML Canvas in order to ensure smooth integration of the 2D game images and accurate game logic
- Built custom collision detection capable of changing behavior depending on gameplay, which allows players to interact with flying objects in complex ways

EXPERIENCES

DCB CPAs LLC / DCB Consulting Inc.

Roslyn, NY

Owner, Accounting & Tax Services

Mar 2020 - Nov 2021

- Consulted small businesses and corporations in applying for and receiving various COVID-19 government reliefs, such as the PPP Loans and the CARES Act Provider Relief Fund; Researched publications, news releases, and webcasts to consult clients on the tax & book treatment and the due diligence related to each type of relief fund to provide such services
- Implemented and oversaw payroll provider transition projects for 11 companies through consistency check of the employee, pay and tax data of 10,000+ employees of the system, and ensured a smooth transition of client's manual processing to a web-based centralized approach, resulting in an approximately 50% reduction in payroll cost and overall efficiency of the payroll processes

PricewaterhouseCoopers LLP

New York, NY

Senior Associate, Digital Accelerator

Oct 2016 - Nov 2019

- Completed a busy season on the pilot team for a Tech-Enabled Audit; Owned key audit areas to advise and implement new processes to be automated, resulting in the project being completed 15 days earlier than the PY and 450 hours of budget saved.
- Performed exploratory data analysis (EDA) of 300k+ journal entries of 30+ private equity funds across 15+ versions to understand entities' funds flows/waterfalls, journal entries re-classes/adjustments, and causes of trial balance issues
- Built, maintained, and optimized automated ETL pipelines with Alteryx and UiPath to perform data wrangling to AUM \$13B+ worth of Investran raw data into presentable data format, and imported into PwC Aura Database for audit fieldworks

Senior Associate, Core Assurance, Asset Management

- Supervise, coached, and provide feedback to junior staff members and offshore work team over 5 audit teams; Handled project management and engagement economics through regular review of the project plan and budget analytics
- Maintained the engagement team's open items list as lead senior and led weekly discussions with client management and its service organizations by setting timelines and expectations for all parties involved
- Regularly utilized PwC's MIDA Database with SQL to perform tasks such as data query for interest/dividend/ foreign exchanges rate for investments, generate bulk audit documentation, and perform data linkage off Bloomberg Terminal via MS Excel macros

EDUCATION & CERTIFICATIONS

AppAcademy - 16-week intensive course in full-stack software development with a 3% acceptance rate

Graduated in March 2022

Certified Public Accountant (CPA), State of New York

Passed all sections in Jan 2020

Binghamton University, State University of New York

Bachelor of Science in Accounting with Honor / Concentration in Information Systems

Graduated in May 2016