

Experience

New York State Education Department • Information Technology Specialist II • 03/2017 to Present

- > Implemented public RESTful API serving Public Education data (JSON) to over 30,000 New York State Institutions.
- > Designed single-page, mobile responsive search application with auto-predicting and criteria filtering features.
- > Created PHP full-text search library and employed Redis for object-caching, improving result speeds by 6x.

Cendyn • Software Developer • 09/2016 to 02/2017

- > Coordinated with dev team to improve documentation and style consistency by applying PSR-2 Coding Standards.
- > Applied S.O.L.I.D. design paradigms and refactored monolithic codebases to improve code modularity.
- > Collaborated with QA Team to resolve bugs, and propose / implement UX enhancements.

AOD Software • Software Developer • 12/2014 to 02/2016

- > Developed reporting tool for Point of Sale SaaS to export datasets of >1000 SQL rows to PDF/XML formats.
- > Minimized web browser payloads and increased application speeds by reducing & rewriting JavaScript dependencies.
- > Created data entry interface to ease the importation of CSV & XML files to PSQL database.

Open Source Projects

Steam Friend Tool • [Demo](#)

- > Single-page application using Valve's Steam API that lets users view what games they have in common with friends.
- > Filter search results by game platforms and/or genres, without page reloads.
- > Entries for each game are stored and retrieved in a PostgreSQL Heroku Database, allowing for faster load times.

Search Suggestion Library • [Demo](#)

- > A lightweight search-suggestion library written in Vanilla JavaScript / ES5 with zero dependencies.
- > Allows local or remote sources via AJAX to be loaded on keypress, while caching results to reduce server load.
- > Responsive, easily configurable styles, and robust options to allow for custom event handlers.

Firefox New Tab Add-On • [Add-On](#)

- > A FireFox browser extension that replaces the 'new tab' with a minimal, customizable, Markdown-powered layout.
- > Allows users to customize the width, height, colors, background, hotkeys, local images, and fonts via an options menu.
- > Includes a custom CSS Editor, and the ability to export user configurations to shareable JSON files.

Skills

JavaScript / ES6 / Node / jQuery
NPM / Yarn / Webpack
Python / Flask
HTML5 / CSS3

PHP / Composer
MySQL / PostgreSQL
REST / JSON / HTTP
Git / SVN

Education

Bachelor of Science in Computer Science • 2014

Florida Atlantic University, Boca Raton, FL • Cum Laude

Bachelor of Arts in English Literature • 2014

Florida Atlantic University, Boca Raton, FL • Cum Laude