MICHELLE SAAD

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SKILLS

LANGUAGES · **JavaScript (TypeScript, ES6+**, CoffeeScript), Ruby, Java, Python, Groovy, bash
FRONTEND · **React.js**, **Vue.js**, **Redux**, Vuex, **CSS3 (SASS)**, **HTML5 (Liquid**, Jade), Angular, jQuery
BACKEND · **Node.js**, **Express**, Rails, Django, Caddy, nginx; **SQL (Postgres, MySQL)**, MongoDB
BUILD · **NPM**, **Webpack**, Babel, Docker (Compose), Ansible · TEST · **Mocha, Jest, Chai**, SoapUI, Postman
ETC · **Git** (CLI, Github), **Linux (Debian)**, **REST**, SVN, regex, VSCode, Jira, Electron, vim

EXPERIENCE

OFFICE DEPOT, INC.   Software Engineer; 2017 - present

> Designed, implemented & supported server-side web applications currently used in production across **36 Office Depot warehouse facilities**, ultimately serving **1400 retail stores** and **millions of customers**

> Took the lead on refactoring a critical Supply Chain application to **greatly reduce redundancy** and **improve readability & performance**, slashing line counts by **60%** and improving **per-page load times** by **40-70%**

> Regularly perform **lead tasks**, including **deployment, branch merges, code reviews**, and **mentorship**

> Provide support and training on **OOP design principles**, **version control**, **testing**, **debugging**, **UI/UX**, **Java frameworks**, **build tools** & **development software**, and Java **syntax** & **best practices** for my team and others

ADT SECURITY SERVICES   Application Development Intern; 2016

> Developed new functionality and resolved issues in code at every level of a **full-stack production application**, including an **Angular.js** frontend, **IBM MessageBroker** business layer, **SOAP API**, and **Oracle Database** backend

> Designed & implemented **comprehensive API testing suites** for production software using **SoapUI** and **Groovy**

EMERSON ELECTRIC AVOCENT   Software Development Intern; 2015

> Wrote code and performed **deployment & regression testing** for several components of Avocent's flagship product **Trellis**, a massive DCIM suite, including **data import batching** and **thermal visualization in 2D & 3D**

> Personally built automated, professional-quality **analytics reports** worth **over $40,000** to the company

EDUCATION

BACHELOR OF SCIENCE in **COMPUTER SCIENCE** · Florida Atlantic University; 2017

PROJECTS

MENAGERIE   Godot Engine (language based on Python), JSON; 2017 - someday

> **Simulation/management game** about raising **intelligent virtual agents** in a **customizable environment**

> Allows for **modular, infinitely-extensible** player-created content using a **fully data-driven system** that loads all game content at runtime, **intelligently resolves file conflicts**, and validates data using **JSON Schema**

> Supports **all common platforms** & **forms of input**, including touch, mouse & keyboard, joypad, or key-only

CARGO SHORTS   TypeScript, React.js, Redux, WebExtension API; 2018 - 2019

> **Cross-browser web extension** for saving tab info to customizable groups displayed on the New Tab page

> Fully **type-safe** and built with **modern tooling and best practices**, including **redux-thunk** with **async/await** for asynchronous actions, **Ramda & Reselect** for pure functional reducers and components, and **Jest** for testing

☆'S MHGEN TALISMAN EDITOR   JavaScript ES7, Vue.js, Vuex; 2017

> **Single-page web app** for loading & editing game data, **published** and **supported** for an **active community**

> Features robust, battle-tested **legality checking** of generated objects using **Vue.js computed properties**

ADELAIDE   JavaScript ES6, React.js, Redux, Electron; 2016

> Unique **cross-platform adventure game engine** specialized to support both **keyboard & touch-based input**