MICHELLE SAAD

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SKILLS

LANGUAGES · **JavaScript (ES6+, TypeScript,** CoffeeScript), **Ruby,** Java, Python, Groovy, C, C++, Clojure
FRONTEND · **React.js, Vue.js,** Flux **(Redux, Vuex), CSS3 (SASS), HTML5** (Liquid), Angular, jQuery
BACKEND · **Node.js,** Express, Rails, Django, nginx; **SQL (Postgres, MySQL, Oracle),** MongoDB, GraphQL
BUILD · **NPM,** Webpack, Babel, Docker (Compose), Ansible, Yarn, Electron, Gulp, Jenkins
TEST · **SoapUI, Postman, Mocha,** Jest, Chai, Chrome & Firefox DevTools, pdb
ETC · **Git (CLI,** Github), SVN, Linux shell, regexp, VSCode, Agile (Jira), Kanban (Trello), Crucible, vim

EXPERIENCE

OFFICE DEPOT, INC.   Software Engineer; 2017 - present
> Designed, implemented & supported critical functionality for production applications managing Supply Chain processes for **36 warehouse facilities,** serving **1400 retail stores** and **millions of Office Depot customers**
> Took the lead on refactoring a critical Supply Chain application to **greatly reduce redundancy** and **improve readability & performance,** slashing line counts by **over 60%** and improving **per-page load times** by **40-70%**
> Provided 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
> Routinely handled lead tasks such as **application deployment, branch merges, code reviews,** and **mentorship**

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, a massive DCIM suite, including **data import batching** and **thermal visualization in 2D & 3D**
> Personally built professional-quality **analytics reports worth an estimated $40,000** to the company

EDUCATION

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

PROJECTS

MENAGERIE   GDScript (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, Lodash, React/Redux, WebExtension API; 2018
> **Cross-browser web extension** for saving tab information to custom pockets 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, **lodash/fp & futil-js** for pure functional reducers and components, and **Jest** for testing

☆'S MHGEN TALISMAN EDITOR   ES7, Vue/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   ES6, React/Redux, Electron; 2016
> Unique **cross-platform adventure game engine** specialized to support both **directional & touch-based input**