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| I’m a creative analytic skilled in Python, Vue, and JavaScript with a passion for architecting and implementing software systems from the ground up. |

# Skills

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| * Python * JavaScript (ES6) * HTML5/CSS3 * C++ * Google Cloud Platform * NativeScript | * Vue/Vuex/Vue-Router * Django * Greensock (GSAP) * SQL (Postgres) * NoSQL (MongoDB, Firestore) | * Nuxt * Flask * Rust * TypeScript * FastAPI * SASS/SCSS |

# Professional Experience

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| November 2017 – PresentSoftware Architect, Independent Contractor **Projects{[**  **Clover Lane Candles – E-Commerce Site{**   * Designed pages with SVG separators, a video banner, responsive design, and some SVG/CSS animation * Started development in Django with a Postgres database * Later migrated to a Vue/Nuxt Universal App (a Single Page Application with Server-Side Rendering) Docker-ized together with a Flask API, a Flask admin interface, and a Mongo database * Hosted on an Ubuntu Digital Ocean droplet and served with NGINX * Used JavaScript (ES6) and created animations using GSAP   **},**  **VirTax – Tax Document Management Webapp{**   * Created Vue and JavaScript (ES6) front-end * Switchable page language via a pre-translated JSON file (including German, Russian, Arabic, etc – the text would change dynamically without requiring a page reload) * Registered user language choice was remembered in database – defaulting to the language of the user’s browser and falling back to German if they used a browser in an unsupported language * Communicated with clients remotely via Discord (One client was based in Germany) * Users could download, upload, and delete files. They could mass-upload and mass-download (in which case they’d receive a zip file containing the files they selected) * Admins could upload, download, and delete on behalf of users * Files would be encrypted upon upload, and decrypted upon download (but only to admins and the user associated with the files) * I am unable to share specific information about the back-end due to a signed Non-Disclosure Agreement   **},**  **Sheri’s Shaved Ice – Inventory Management Webapp{**   * Designed the database, front-end, and back-end infrastructure * Vue front-end built on a Django backend, served with Nginx on a DigitalOcean droplet running Ubuntu * Used a SQL database * Lead, mentored, and distributed job functions to a micro-sized (2 other members) team of less-experienced developers * Debugged, commented, proofread, and refactored code done by my team * Maintained constant and regular communication with team via Discord * Designed and regularly kept Trello board up-to-date * Crafted complex, sortable tables with resizable columns   **},**  **[REDACTED] – Web Scraping and Email/Calendar Update Project{**   * Client wanted a specific password-protected site scraped daily, then emailing the parsed and automatically refactored (via an email template) to registered users * Additionally, calendar events would be created from another password-protected site in addition to emails sent to the registered users and automatically update the individual users’ Google calendars * A full system design and partial demo was created, but client backed out due to a financial hardship * I cannot share any business or conceptual specifics due to a signed Non-Disclosure Agreement   **}**  **]}** |
| October 2018 – January 2019Web Application Developer Intern, O’Reilly Auto Parts This internship was essentially a crash course focusing on HTML/CSS, JavaScript, MySQL, Java, and Spring MVC. July 2018 – October 2018Software Engineering Intern, Paperwise I performed tech support for an enterprise-level document-management application written in the .NET platform for Windows PCs. |

# Education

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| May 2019A.s. Computer Science, A.A.S. Computer Information Science, Ozarks Technical Community College GPA: 3.62, Phi Theta Kappa Member  **Projects{[**  **A Clockwork Turtle and Turtle-Photoshop Coordinate Converter{**   * Wrote a program that took Photoshop coordinates and automatically converted them to shapes in a Python Turtle (Python’s standard vector graphics library) program * Used that program to create a Turtle graphic that redrew an iconic scene from A Clockwork Orange to a WAV of “Singing in the Rain”   **},**  **Iron Viking Apparel{**   * Created a website for a real-life client in my first Web Development class * Was the only person in the class to use a back-end framework (Django) and serve the website live instead of just displaying static HTML files via the file URI scheme   **}**  **]}** |

# Personal Projects and Interests

## Personal Projects

**Projects{[**

**Fara the Film Bot{**

* Built a film recommending Twitter bot
* Used the Twitter, Google Drive, and Taste Dive APIs in tandem with automatically downloaded IMDB data files
* The bot would tweet an initial film’s title and associated Wikipedia article (set by a parameter in the program)
  + If enough people liked the tweet (designated by another parameter), the program would find a similar film with Taste Dive, then grab that film’s info from the IMDB data
  + If there weren’t enough likes, the bot would randomly select another film (that had not yet been recommended) from the IMDB data
* Upon a film’s recommendation, it would be added to a Google Sheet (using the Google Drive API)

**},**

**Load-Script-Async{**

* Wrote A JavaScript function designed to replace my use of jQuery’s .html() function for making tiny Single Page Applications
* 835 bytes minimized vs 82.34 kilobytes for the whole minimized jQuery library
* Grabs HTML from the given URL and places it on the page, re-creating any <script> elements so they get executed

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**Personal Portfolio Site{**

* Created a Vue/Nuxt front-end
* Used JavaScript and crafted interactable 2D animations with GSAP

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## Relevant Interests and Activities

I attend local web development and data science meetups, participating in any contests that come up.

I attend and compete at Hack4Good in Springfield, MO each year – an annual Hackathon where teams spend a weekend building an app for a local nonprofit.

In 2017 my team won second place. In 2019 I competed by myself. Here’s a link to my presentation for that year: <https://youtu.be/NGzK7CzOxqQ?t=1350>

## References and Recommendations

Available Upon Request