

# Benjamin Arnett

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## EDUCATION

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### George Mason University

*Bachelor of Science in Information Technology, Conc. in Web Development & Multimedia*

Fairfax, VA

Aug. 2018 – Dec. 2023

## EXPERIENCE

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### Web Development Intern

*Skywide Logic*

May 2023 – August 2023

North Hollywood, CA

- Collaborated with other interns to develop the business's website in WordPress CMS.
- Evaluated multiple API plugins for importing occupational data.
- Styled banner image and search field on home page.
- Diagnosed and resolved WordPress plugin update error by identifying and removing redundant plugin.
- Used hosting provider interface to create subdomain for test branch implementation.

## PROJECTS

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### Passphrase Gen | *React, Tailwind CSS*

Jan. 2024

- Passphrase Gen allows to generate a strong passphrase using common words.
- Incrementing/decrementing word length and regeneration are performed with corresponding buttons.
- Displays passphrase strength (in bits of entropy) and average time to correctly guess the passphrase.
- Tailwind CSS utility classes are used to style margins and font size.

### GMU IT Senior Capstone | *Home Assistant Operating System (YAML), Spiceworks*

Jan. 2023 – Dec. 2023

- Our team was tasked with helping a local business improve their IT infrastructure. We automated customer notifications and configured an incident logging system.
- Automated notifications for smart TVs by setting triggers to execute at a specified time each day.
- Notifications include custom images, text, and sounds via YAML configuration.
- Enabled ticket creation and tracking using the Spiceworks Cloud Help Desk platform.
- Roles to enforce access privileges and categories to organize tickets were implemented to easily log incidents within the context of the client's business.

### Shattered Pixel Dungeon Website | *Bootstrap, jQuery, XMLHttpRequest*

Aug. 2023 – Dec. 2023

- An enthusiast website built in dedication to the *Shattered Pixel Dungeon* game as part of IT331, Web I: Web Development.
- Bootstrap default .container class was applied to make pages responsive.
- jQuery was used to validate form inputs and execute animations.
- On mouseover event, XMLHttpRequest was used to retrieve images.

### SQLite Editor | *Express.js, EJS, SQLite*

Jan. 2023

- Created web app that allows users to create, delete, and search SQLite databases.
- Users are prompted to confirm their database deletion.
- Displayed databases are automatically filtered by search queries.
- Provides routes to handle get/post requests with Express.js.
- Enables the use of templates (i.e., header/footer) with EJS.

## TECHNICAL SKILLS

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**Languages:** JavaScript/TypeScript, Python, SQL (SQLite), Bash/sh

**Web Technologies:** React, Express.js (Node.js), Flask, Tailwind CSS, WordPress CMS

**Developer Tools:** Git, GitHub, VS Code, Asana, Trello, VirtualBox, Virtual Machine Manager, Linux