Abigail Dawson

Software Engineer

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TECHNICAL SKILLS

Languages & Frameworks: JavaScript, React, Node.js, Express.js, Python, Django, Flask, Bootstrap | **Databases:** PostgreSQL, MongoDB
Other: HTML, CSS, REST, APIs, OpenAI, OAuth, AWS S3, Git, GitHub, VSCode | **Design:** Adobe Creative Suite, wireframes, Figma, ERD

PROFESSIONAL & TEAM EXPERIENCE

Software Engineering Intern, Tobu Pengin, LLC | Remote   **Feb 2024 - present**

- Contributing to the development and maintenance of Pengin-Pi, a comprehensive open source **CRM** software with **ERP** features, using **Python** and **Flask** framework.
- Developing proficiency in leveraging **AWS**, **GitHub**, **Docker**, **Nginx** and other **CI/CD** tools.

Full Stack Developer (volunteer), Rainbow Devs | Remote   **Feb 2024 - present**

- Contributing regularly to the development of the Tech Resume Pro project utilizing **React**, **TypeScript**, **Nest.js** and **MongoDB**, while following **Confluence** guidelines for best practices and **Jira** for project planning and issue tickets.
- Collaborating in a team-oriented **agile environment**, engaging in **pair programming** and **peer code reviews** while receiving mentorship from senior developers to ensure code quality and consistency.

SOFTWARE DEVELOPMENT PROJECTS

KnowNative - Language learning app for reading comprehension | React, Node/Express, MongoDB ([Live Site](#) **|** [GitHub](#) **|** [Walkthrough](#)**)**

- Developed a full-stack web application following **MVC principles** and **user-centric design** with custom **React** components; conducted user research survey and analyzed responses to prioritize functionalities and user experience.
- Utilized **OpenAI API** and **Google Cloud Translate API** for language processing; addressed challenges in handling Chinese texts.

Notealong - Notetaking app for coding students | Python, Django, PostgreSQL ([Live Site](#) **|** [GitHub](#) **|** [Walkthrough](#) **)**

- Collaborated in a team of three to develop a full-stack web application, using **Python, Django, PostgreSQL and Bootstrap 5**.
- Created wireframes, user stories and ERD to plan **user-centric** app features; leveraged Django's **authentication** functionality.

Jiyi Memory - Chinese character matching game | JavaScript ([Live Site](#) **|** [GitHub](#) **)**

- Engineered an interactive Chinese character matching game using **HTML**, **CSS** and **JavaScript**.
- Utilized **VSCode** and **Git** version control to build and deploy a polished browser-based application in one week.

EDUCATION

GENERAL ASSEMBLY | REMOTE
Software Engineering Immersive   **Oct 2023 - Feb 2024**
Full-stack software engineering immersive student in an intensive, 12-week, 500+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies.

GEORGETOWN UNIVERSITY | WASHINGTON, DC
Edmund A. Walsh School of Foreign Service   **Aug 2017 - May 2019**
M.A. in Asian Studies **|** concentration in Taiwanese history | **3.9 GPA**

Foreign Language and Area Studies Fellowship Program   **Georgetown University, 2017**
Arthur M. Charles Fellowship for International Studies   **Earlham College, 2016**
Languages: Japanese and traditional Chinese (limited working proficiency)