CHRISTOPHER FABIAN

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Summary

Passionate **AI** and **machine learning** enthusiast with expertise in **UI/UX design** and **cloud-based solutions**. Skilled in leveraging **AWS**, **React.js**, and **Python** to develop scalable, user-focused applications. Experienced in integrating **AI into workflows** to optimize operations and solve complex problems. Created a portfolio of innovative projects, including an interactive website and **machine learning models**. Dedicated to advancing technology and crafting engaging, intuitive user experiences.

Key-Skills

Amazon Web Services	AI Integration	UI/UX Design	Mobile Development
Website Deployment	API Services	Responsive Design	Chatbot Development

Technical Skills / Certifications & Specializations

5+ Years Experience: HTML/CSS, GitHub, VSCode
3–4 Years Experience: C++, Python, JavaScript, React.js, Linux, Hugging Face
1–2 Years Experience: C#, C, Swift, Node.js, AWS (S3, Lambda, Amplify), Figma, Docker, Godot, Zapier, HubSpot
Specializations: IBM AI Developer, AWS Fundamentals

Projects

Secret Page | *React.js, HTML5, CSS3, JavaScript* — **December 2024**

- Developing an interactive and responsive **Secret Page** using **React.js** with **useState hooks** for state management and a component-based architecture for modular and reusable design.
- Utilized **HTML5 and CSS3** for semantic structure, custom styling, animations, and responsive layouts, ensuring optimal user experience across devices.
- Implemented dynamic feedback mechanisms with JavaScript, including validation of puzzle inputs using regular expressions and programmatic comparison of user input against predefined solutions.
- Designed an interactive grid layout with **responsive CSS media queries** and flexible layouts, adapting seamlessly to various screen sizes.
- Integrated **problem-solving logic** to dynamically reset and reinitialize grid states, enhancing usability and user engagement.

Personal Website | *AWS Amplify, React.js, GitHub, HTML5, CSS3, JavaScript* — **November 2024**

- Deployed and hosted the website using **AWS Amplify**, ensuring scalable, secure, and reliable performance.
- Implemented a multi-page structure featuring a **Resume**, **About**, and a **Secret Page** that highlights unique and imaginative content.
- Developed the website using the **React framework**, enabling a modern, responsive, and user-friendly design.
- Configured a GitHub repository for continuous deployment, automating seamless updates with every push to the main branch.
- Designed as a centralized hub to showcase professional projects and personal creativity.

AI Workflow Integration | *Zapier, ProCore, Quickbooks, DropBox* — **May 2024**

- Leveraged Zapier to streamline and automate office workflows, significantly enhancing **efficiency** and reducing manual task overhead.
- Collaborated with office staff to identify strategic integration points for AI, ensuring seamless adoption and optimizing **productivity**.

EJIE Learning App | *Flutter, FlutterFlow* — **April 2024**

- Managed the development of an innovative learning module application focused on **Equity, Justice, and Inclusive Excellence (EJIE)**. Utilized Flutter and FlutterFlow for front-end design and Firebase for seamless back-end integration, enhancing user engagement.
- Incorporated diverse learning modules and interactive features, promoting **knowledge exchange**.

Plant Pathogen Classification | *Python, Pytorch, Tkinter, GitHub* — **September 2023**

- Developed a computer vision classification algorithm using **Convolutional Neural Networks (CNN)**, transforming labeled images into actionable insights for Sunburst Agri Biotech Solutions LLC. Successfully implemented this into a desktop application.
- Utilized image processing and machine learning to accurately identify pathogen types, presenting results in a **user-friendly interface**.
- Trained the algorithm with a **diverse dataset** of pathogen images, ensuring unbiased data and consistent labeling.

Work Experience

Equity Justice and Inclusive Excellence Programmer   **Fall 2023 – Spring 2024**
Student Success Intern   *University of California, Merced, CA*
- Collaborated with a team to develop an engaging learning module app for the EJIE department using Flutterflow, featuring interactive tutorials, timed readings, linked articles, YouTube videos, and quizzes.

Mail and Document Services   **Summer 2023 – Summer 2024**
Student Worker   *University of California, Merced, CA*
- Worked with a team to manage interoffice and postal mail delivery, delegate tasks for efficiency, log incoming packages, and maintain printer rooms by refilling paper and fixing machines.

Leading Edge Construction   **Summer 2024**
Solutions Developer   *Los Banos, CA*
- Conducted presentations to office team on AI applications in the workplace; currently discussing integration of these AI applications into their workflow.

Education

University of California, Merced   **August 2020 – May 2024**
Bachelor of Engineering in Computer Science and Engineering, GPA: 3.66   *Merced, CA*
- **Relevant Coursework:** Software Engineering, Game Programming, Computer Graphics, Human-Computer Interaction, Data Structures, Object Oriented Programming, Vector Calculus, Discrete Mathematics, Computer Vision