

# Brian Joseph

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## EDUCATION

### Valencia College

Associate in Arts

Orlando, FL, USA

Expected Graduation 2026

## TECHNICAL SKILLS

**Programming Languages:** Python, Typescript, Golang, Bash, HTML, CSS

**Libraries and Frameworks:** Pandas, Flask, OpenCV, Streamlit, ReactJS, React Native, Expo, NextJS

**Development Tools:** Git, Docker, Figma, Vercel, MongoDB, LaTeX, GitHub Actions, CI/CD

## PROJECTS

- **Retrieval Augmented Generation Docs Chat** <https://github.com/steevejoseph/doc-tuah>  
Building a production-level RAG application that allows dev teams to chat with their specific docs or for students to chat with their specific textbooks. Built with Fastapi (Python), Azure OpenAI Embeddings, GPT Turbo 3.5, ChromaDB, and Terraform for one-click infrastructure deployment to Microsoft Azure.
- **Financial Data Filtering App** <https://github.com/lonesume/financial-data-filtering-app>  
Developed a responsive financial data filtering app for a client using React, TypeScript, TailwindCSS, Python, and FastAPI. Integrated the Financial Modeling Prep API to fetch and display income statements from various companies with features like dynamic filtering (date range, revenue, net income), sorting (date, revenue, net income), and a backend API for server-side filtering. Deployed the app to Vercel with a comprehensive README for setup and usage.
- **Spotify AI Playlist Creator** <https://github.com/lonesume/shmood>  
Developed an AI SaaS app that takes Spotify user data, and the users current mood via sentiment analysis and curates a perfect playlist for the moment. Built using Next.js, tRPC, Tailwind CSS, Prisma, and NextAuth.js for a full-stack, typesafe experience. The app is deployed on Vercel, leveraging server-side rendering, automatic deployments, and global CDN support for optimal performance and seamless user experience.
- **AI Industry Translator** <https://github.com/lonesume/bridge>  
Developed a Full-stack SaaS app that translates jargon and expressions across industries and generates explanations using ReactJS, MongoDB, Docker, Python (Flask), and OpenAI's API. Dockerized the app for consistent cloud deployment (Microsoft Azure/AWS/Google Cloud).
- **Pocket GPT** <https://github.com/lonesume/pocket-gpt>  
Designed and developed a desktop application that runs seamlessly on macOS, Windows, and Linux, allowing users to search ChatGPT directly from their computer. Built using Golang, React, TypeScript, and the OpenAI API.
- **Happyness Data Visualizer** <https://github.com/lonesume/Happiness-api>  
Developed an interactive visualization of global happiness, based on Generosity, GDP, Corruption, and Happiness levels across countries. Using Streamlit for the web interface, Plotly for dynamic visualizations, and Python for data processing, the app provides a clear, accessible representation of global well-being trends.

## WORK EXPERIENCE

### VC Essentials Student Ambassador

Valencia College, Florida, USA

August 2024 - Present

- Managed the distribution of food and essential supplies at Valencia College's West Campus Student Support Center, supporting campus-wide food security initiatives.

### Sports/Seasonal Photography Specialist

Theme Street Photos, Florida, USA

November 2021 - Present

- Managed end-to-end photography process from shooting to post-production, utilizing Adobe Premiere for professional editing and coordinating direct mail distribution to families across Central Florida

## LEADERSHIP

- **President** of Impact Club - August 2023 - May 2024
- **Vice-President** CUST-STEM(Valencia Collge) - 2024 - current