

Dylan Dalal

your.email@example.com | portfolio | github | linkedin

Experience

Frontend Software Engineer | Airtab Music, Inc. (Remote) Nov 2024 – August 2025

- Designed and developed www.openforanicon.com and www.airtabmedia.com using Framer and React
- Collaborated with the marketing team to build brand identity through web presence
- Supported full-stack development of a cross-platform application using React Native

Pipeline TD | Premise Entertainment, Inc. (Remote) Jul 2023 – Sep 2024

- Designed a Python-based asset assembly and publishing pipeline for animated production
- Built Maya/Houdini pipelines that interfaced with large scale web applications
- Created deployable Python shelf tools for 100+ artists across multiple DCCs

Software Engineer Researcher | FSU College of Motion Picture Arts (Tallahassee, FL) Jan 2021 – Dec 2023

- Developed core infrastructure and pipeline tools to support LED volume film production
- Created cross-team Python I/O scripts and C++ UE plugins for ingest/playback
- Led tech strategy for the launch of an industry-first Virtual Production MFA specialization

Software Engineer Researcher | FSU Department of Psychology (Tallahassee, FL) Aug 2021 – Jul 2023

- Created Python data processing pipelines using NumPy, pandas, and RegEx
- Developed automation scripts to eliminate participant bias and clean experimental datasets

Pipeline Intern | Monster/Aliens/Robots/Zombies VFX (Remote) Apr 2022 – Jun 2023

- Developed GAN-based AI VFX solution VanityAI, increasing VFX pipeline efficiency by 300x
- Architected unit test suite for pipeline tools adopted by entire pipeline engineering team
- Collaborated with stakeholders to gather requirements and feedback on user experience

Projects

Eren, A.I. Assistant Project Manager | github July 2024 – Present

- Automatically handles project backlogs, tasks, and prioritization using targeted calls to LLMs
- Includes workflows for managing video production and software development projects

Passport | github Jan 2024 – Present

- Built a trip detection algorithm using ML to analyze photo location metadata
- Developed Dart-based frontend in Flutter, supporting iOS, Android, and web deployment

AutoTube | github Apr 2025 – Jun 2025

- Python pipeline to automatically create YouTube shorts
- Scrape top posts across any subreddit using reddit's python library PRAW

Education

B.S. Computer Science Florida State University Jul 2019 – Dec 2022

- Minors in Mathematics, Physics & Film Studies
- Student President of the College of Arts and Sciences