

JOSHUA PFEFFERKORN

Bethesda, MD · 240-515-7483 · joshua.d.pfefferkorn.24@dartmouth.edu

jpfeff.me · www.linkedin.com/in/joshua-pfefferkorn/

EDUCATION

Dartmouth College, Hanover, NH

June 2024

Bachelor of Arts, Major in Computer Science, Minor in Digital Arts

GPA 3.95/4.0

Relevant Coursework: Full-Stack Web Development, Algorithms, Object-Oriented Programming, Discrete Mathematics, Software Design and Implementation, Artificial Intelligence, Machine Learning, UI/UX Design

Honors/Awards: Magna Cum Laude, Citations in Digital Design and Security Engineering

LANGUAGES & SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS

Technical Skills: Git, React.js, React Native, Node.js, Express.js, Figma, Adobe Illustrator & Photoshop, LaTeX

RELEVANT EXPERIENCE

Voltera, Remote

January 2024 - Present

Lead Software Developer

- Independently developed SaaS tool to identify reimbursable non-therapy ancillary services in PDF documents; validated to reduce patient intake time at skilled nursing facilities by **75%** and find an additional **~\$5k/patient** in reimbursements
- Managed and mentored a team of interns, leading the development and execution of the product roadmap, coordinating development sprints, and conducting code reviews

EY-Parthenon, Boston, MA

June 2023 - August 2023

Summer Associate, Software Strategy Group

- Conducted multiple market and technology diligences for private equity clients entering the software space
- Prepared comprehensive deliverables on the tech stack, architecture, hosting, and R&D organization of software solutions

Dartmouth Applied Learning and Innovation Lab, Hanover, NH

January 2023 - November 2023

Software Developer

- Collaborated with small teams of product designers and software engineers to design, develop, and test web and mobile software applications for external partners using **agile methodology** (10-15 hours/week during academic term)

Greenbox Storage, Hanover, NH

December 2022 - May 2023

UI/UX Designer

- Used Figma to independently design user interface and experience for both internal sales dashboard and customer-facing order portal, impacting user experience for staff and **2,000+ customers** across **18 college campuses**

PROJECTS

Paper Trail

March 2024

Web Application

- Developed a full-stack platform for real estate transaction management using **TypeScript**, **React.js**, **Node.js**, **Express.js**, and **MongoDB** that supports GitHub-like version tracking for legal documents

Flashback

May 2023

Mobile Application

- Designed and developed full-stack mobile application using **React Native**, **Node.js**, **Express.js**, **MongoDB**, and **Firebase**
- Features user account creation and authentication, in-app photo capturing, social group creation, and photo sharing

Music Genre Classifier

May 2023

Python Script

- Developed a genre classifier for Russian song lyrics using **scikit-learn**, **NLTK**, **Hugging Face**, and other NLP libraries
- Achieved over 70% accuracy on a dataset of over 5,000 songs using TF-IDF vectorization and an SVM classifier

Wordle Solver

March 2022

Python Script

- Used information theory to code a **Python** solver that could find the answer to Wordle puzzles in an average of about 3.5 guesses, storing word entropies in a map ADT for rapid lookup of high-information guesses

LEADERSHIP & ACTIVITIES

Dartmouth Computer Science Department, Hanover, NH

January 2022 - June 2022

Teaching Assistant for Object-Oriented Programming (Java) & Machine Learning (Python)

- Instructed small groups of 8-12 students during weekly programming sessions, held three hours of office hours weekly to assist students with assignments and studying, and graded and provided feedback on assignments and examinations