KEEGAN GAFFNEY

(425) 231-4146 | contact@keegangaffney.com |
https://www.linkedin.com/in/keegangaffney/ | https://github.com/Skeegan123

EXPERIENCE:

Land id

Software Engineering Intern *Sept 2023 – Current*

- Started as a web developer working with React and Ruby.
- Transitioned to iOS development where I have been working since January 2024.
- Participated in weekly team meetings and collaborated across teams using Jira for ticket management.
- Gained hands-on experience with React, Jest, Redux, SwiftUI, Cocoapods, and Amplitude

Amazon.com, Inc.

Software Engineering Intern @ Amazon Pay *May 2023 – Aug 2023*

- Developed a new API, now integral to the service, used by millions across Europe.
- Addressed a key issue leading to a positive impact on adoption among large enterprises.
- Collaborated with a global team across time zones, ensuring progress through frequent meetings and follow-ups.
- Implemented extensive unit tests to ensure robust and reliable API functionality.

PROJECTS:

PackPoint:

- **Objective:** Develop an app for college students to find popular local hangouts.
- **Role:** Lead Software Engineer.
- **Challenges:** Building a full-stack app under tight deadlines; Learning full-stack web development on the fly.
- **Technologies:** HTML, CSS, Node.js, Express, PostgreSQL; later SwiftUI, Firebase, Azure.
- **Outcomes:** Successfully developed a functional MVP; gained insights into app development and server management.

MultiStreamers:

- **Objective:** Create a website for watching multiple streamers across platforms using embeds.
- **Role:** Lead Software Developer.
- **Challenges:** Creating a website that can run without intervention and as inexpensive as possible.
- **Technologies:** HTML, CSS, jQuery, JavaScript, Firebase, Twitch and YouTube embed APIs.
- **Outcomes:** Achieved a peak usage of 1100 users in 30 minutes, validating the project's utility and performance.

MSUBot:

- **Objective:** Enhance Discord-based class management and student engagement.
- **Role:** Lead Software Developer.
- **Challenges:** Developing for a school has a lot more restrictions; Creating and following strict requirements as a solo developer.
- **Technologies:** Discord API, ChatGPT API, TypeScript, Node.js, Cron, Discordx, Discord.js, SQLite.
- **Outcomes:** Positive initial testing results; potential for a research grant and expanding use among faculty.

TerraFit:

- **Objective:** Develop a ChatGPT-powered workout app.
- **Role:** Lead Software Developer.
- **Challenges:** Getting a consistent result from ChatGPT to properly parse into workouts.
- **Technologies:** HTML, CSS, TypeScript, Node.js, Express, ChatGPT API, PostgreSQL.
- **Outcomes:** Successfully utilized AI for dynamic workout generation.

Memlane:

- **Objective:** Create a local social media to share your precious memories of a location with those around you.
- **Role:** Backend Software Engineer.
- **Challenges:** Working in a tight timeframe with new technologies.
- **Technologies:** TypeScript, Expo, Vercel, PostgreSQL.
- **Outcomes:** Worked together as a team to create a fully functioning app from design to prototype in a short timeframe.

EDUCATION:

Montana State University, Bozeman, MT

  B.S. in Computer Science, December 2024 (projected), GPA: 3.57

ACHIEVEMENTS:

- DUBHACKS 2022 Finalist (PackPoint)
- HackHarvard Participant (TerraFit)
- TreeHacks Participant (Memlane)

SKILLS:

- **Programming Languages:** Java, TypeScript, Swift, HTML, CSS, C++, Python, Assembly.
- **Frameworks & APIs:** React, SwiftUI, Next.js, Discord API, ChatGPT API.