

ALEC M. FREY

afrey@iastate.edu • 641-530-3206 • Mason City, IA • alecfrey.me

EDUCATION

Iowa State University
Computer Engineering Major
Bachelor of Science

Ames, IA
Cumulative GPA: 3.74/4.00
Senior: Graduation May 2024

PROFESSIONAL EXPERIENCE

*Software Engineer Intern, **Nationwide**, Des Moines, IA*

May 2023 – Aug 2023

- Developed Angular application for use by the Claims department that brought the following benefits:
 - Interact with web GUI to manage feature toggles across the entire Claims app suite
 - Gain the benefits of continuous integration by achieving trunk-based development
 - Reduce the number of development environments to align with the enterprise standard of 4
 - Simplify releases through the use of toggling events rather than focusing on code pushes
 - Notify department team about stale toggles that have remained unchanged for a month
 - Frontend built using Nationwide's Bolt design system alongside Angular Material
- Utilized Jira boards to streamline progress updates for technical leadership in daily scrum meetings
- Trained in the following DevSecOps tools: Docker, Kubernetes, Helm, Concourse, Harness

SOFTWARE PROJECTS

Today Aim - Accomplish Something Today

May 2022 – July 2023

iOS Application - Previously Published on the App Store

- Establish one aim at the start of each day and record when the aim was accomplished
- Sort the collection by aims that you've accomplished or favorited
- Enhance the user's perspective on the number of aims accomplished through the calendar view
- Manage data storage using NSPersistentContainer for the Core Data stack

Financio - Personal Finance Tracker

Jan 2022 – May 2022

Android Application

- Create monthly budget and identify how current expenses compare to allotted budget
- Visualize spending habits through the embedded graphs by inputting all expenses
- Establish user login via Android Volley JSON requests and MySQL database integration
- Communicate via messages with friends in the app using WebSockets

SKILLS

- Software: Java, C, JavaScript, TypeScript, Swift, Verilog, VHDL, MIPS Assembly
- Technologies: Angular, Node.js, Sass, HTML, Jira, GitHub, Spring Boot

LEADERSHIP

Delta Upsilon Fraternity, Ames, IA

Jan 2022 – Dec 2022

Vice President of Academics

- Developed and implemented the chapter's academic program
- Contributed to raising the chapter's semester GPA from 3.0 to 3.2
- Won most outstanding chapter while attending the annual Leadership Institute in New Orleans

Cloudland Canyon - Student Volunteer, Rising Fawn, GA

Mar 2022 - Mar 2022

Iowa State Alternative Breaks

- Contributed 50+ hours of service while working on trail maintenance in the state park for the week
- Rebuilt staircase on hillside that allows access to outlook area at the state park

Leadership • Diligent • Proactive • Reliable • Passionate • Detail-oriented