

Nicholas Falletta

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OBJECTIVE

My goal is to secure a position at a collaborative Information Systems and Technology firm where I can utilize my software design and development skills to enhance and advance software.

EDUCATION

The Pennsylvania State University | University Park, PA

Expected May 2025

Major: Bachelor of Science, Human-Centered Design and Development

Certificate: Smeal College Business Fundamentals Certificate

RELEVANT SKILLS

- **Technical:** React.js, React Native JavaScript, HTML/CSS, Flutter, Firebase, Large Language Models, Java
- **Tools:** Figma, Xcode, Android Studio, VS Code, GitHub | **Other:** UI/UX Design, Data Analysis

WORK EXPERIENCE

Comm-Res Exams Corporation | Mineola, NY | Volunteer

December 2022 – April 2023

- Further developed their SQL software by building a billing and certification program using Microsoft Access.
- Worked as the lead developer of Title Tracker, a mobile application to improve workplace efficiency.
- Openly communicated with the employer and his employees to refine the application to their needs.
- Refined project management and problem-solving skills by planning daily work schedules to balance coursework and meet Comm-Res' standards.

Pennsylvania State University | State College, PA | Internship

May - December 2024

- Led the development NaviGPT, providing the visually impaired with a free, accessible application for navigation.
- Developed a deep understanding of accessibility-driven design to solve real-world challenges through researching and testing the technologies the visually impaired utilize.
- Strengthened team collaboration skills by meeting weekly with PhD students and professors to refine our projects' functionality, address challenges, and give feedback.

PROJECT EXPERIENCE

Title Tracker | Volunteer Developer

January - April 2023

- Developed a cross-platform mobile application using Flutter and Firebase to facilitate tracking and managing company workflows, storing company data securely in the cloud.
- Interviewed Comm-Res's employees to proficiently bring Title Tracker from design to deployment.

NaviGPT | Intern Developer

May - December 2024

- Created a mobile application to assist visually impaired users in navigating safely to their destinations, leveraging Swift in Xcode and training an OpenAI API.
- Became inspired through research by analyzing published papers on AI and navigation technologies to refine the app's effectiveness and ensure best practices in implementation.

Kaizen | Independent Developer

January 2025 - Present

- Designing a mobile application with React.js to support licensed and student psychologists by turning audio recordings of sessions into concise, highlighted notes using Large Language Models.
- Managed online Qualtrics surveys taken by stakeholders to cultivate feedback so Kaizen will pair with their needs and habits.

EXTRACURRICULAR ACTIVITIES

Fundamentals of Computing Association (FCA) | Project Manager

August 2023 - Present

- Initiated and supervised semester-long projects for students such as an AI Chatbot with a specific personality that can change the website's visual appearance.
- Coordinated weekly boot camps to teach new technical skills such as React.js, Full Stack, and GitHub, influencing students' understanding of computing fundamentals.