

# 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 - January 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.