

Nicholas Falletta

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EDUCATION

The Pennsylvania State University | University Park, PA

May 2025

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

Certificate: Smeal College Business Fundamentals Certificate

RELEVANT SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS, Dart, Swift, C#, SQL

Frameworks & Libraries: [React.js](#), React Native, Flutter, Bootstrap, [Node.js](#), Angular, .NET

Databases: Firebase, MySQL, MongoDB

WORK EXPERIENCE

Pennsylvania State University | State College, PA | Software Developer Intern

May - December 2024

- Developed a strong foundation in accessibility-focused design and user-centered research through collaboration with visually impaired users and academic professors.
- Honed problem-solving and team collaboration skills by working in weekly meetings with PhD students and professors to troubleshoot, refine, and iterate on each other's projects.
- Led the development of **NaviGPT**, an iOS application using Swift and OpenAI's API to help visually impaired users navigate safely.
- Researched and implemented best practices in AI and navigation by studying academic literature, ensuring the app effectively addressed real-world challenges in accessibility.

Comm-Res Exams Corporation | Mineola, NY | Software Developer Intern

December 2022 – April 2023

- Strengthened project management and communication skills by collaborating closely with staff to align development with business needs.
- Gained hands-on experience refining company software and building scalable internal tools to enhance operational efficiency.
- Led the development of **Title Tracker**, a cross-platform mobile app built with Flutter and Firebase to streamline company workflow management and securely store company data in the cloud.
- Conducted interviews with employees to tailor the app's design and functionality, effectively translating real-world needs into technical solutions.

PROJECT EXPERIENCE

Kaizen | Founder & Developer

January 2025 - Present

- Gained entrepreneurial and product development experience by leading the creation of a mobile app that assists psychologists by summarizing therapy session recordings using Large Language Models.
- Conducted user research via Qualtrics surveys to guide development and ensure the application supports the natural workflow of the targeted audience.
- Utilized React Native and Python to build the app cross-platform, prioritizing clarity, usability, and user customization.

EXTRACURRICULAR ACTIVITIES

Fundamentals of Computing Association | State College, PA | Project Manager

August 2023 – May 2025

- Cultivated leadership and mentorship skills by guiding students through semester-long technical projects, including a personality-based AI chatbot that modifies a website's visual appearance.
- Fostered a collaborative and inclusive learning environment by organizing and leading weekly technical boot camps covering skills such as React.js, Full Stack development, GitHub workflows, and UI/UX principles.
- Inspired growth in peers by emphasizing problem-solving, creativity, and ownership in all projects, helping students apply classroom knowledge to impactful real-world solutions.