

# Nandana Elizabeth

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## EDUCATION

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**B.S. in Computer Science (Honors)**, Minor in Media Arts and Sciences

May 2026

*Arizona State University*

*Tempe, AZ | GPA: 4.0*

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Mobile Development, Data Visualization, Computer Aided Geometric Design, Operating Systems, Information Assurance, Statistics

## EXPERIENCE

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**Software Engineer Intern**

May 2025 – August 2025

*Twilio*

*Tempe, AZ*

- Migrated core Email team services from AWS SDK Go v1 to v2, resolving cross-package dependency issues and shipping to production without interrupting customer email delivery.
- Built and demoed a reusable GitHub Copilot–assisted migration workflow with prompt optimization and multi-LLM testing, adopted across multiple engineering teams.
- Maintained CI/CD pipelines (Docker + Buildkite); conducted code reviews, updated API docs, and filed actionable bugs for Twilio SendGrid’s upcoming Multi-Account Access feature.

**DAAD RISE Research Intern**

May 2024 – August 2024

*Hochschule Kaiserslautern*

*Zweibrücken, Germany*

- Redesigned VR fitness simulator UI in Figma using usability heuristics, informed by a self-authored study drawing from 15+ academic and industry sources.
- Built procedurally generated 3D maps in Unity (C#) using OpenStreetMap data, enabling dynamic training environments with varied terrain and scenarios.
- Integrated Bluetooth health sensors for real-time medical data visualization, improving accessibility across different age groups and fitness levels.

## PROJECTS

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**SWE ASU iOS App** | *Swift, Xcode*

January 2025 – May 2026

- Developed an iOS app for SWE ASU with shared photo system, calendar-based event management, attendance tracking, and push notifications; beta tested on TestFlight and under consideration for campus-wide deployment.
- Built a Swift portfolio across 4 app categories — 2D game, camera utility, venture pitch platform, and GPS app - applying frameworks such as SwiftUI, UIKit, CoreLocation, and AVFoundation.

**Nowhere Collective** | *Next.js, React, TypeScript, Firebase, Twilio SendGrid*

August 2025 – May 2026

- Built an end-to-end email notification system using Firebase Cloud Functions and Twilio SendGrid, supporting 6 notification types; resolved bugs in existing in-app notification logic during implementation.
- Developed and iterated profile setup and REMaker profile pages across sponsor-driven design cycles, standardizing UI consistency across a live-user platform.

## LEADERSHIP EXPERIENCE

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**Director of Public Relations** | *Society of Women Engineers at ASU*

April 2025 – Present

- Lead and mentor the PR committee, overseeing content creation, social media, event promotion, and chapter announcements while ensuring consistent branding across all channels.

**Community Assistant** | *University Housing*

July 2023 – May 2025

- Supervised a community of 50+ students and planned 15+ events with housing staff to foster inclusion, drive engagement, and provide crisis support.

## TECHNICAL SKILLS

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**Programming Languages:** Swift, Java, JavaScript (React, p5.js, d3.js), Python, Go, C, C++, C#, HTML, CSS

**Tools & Frameworks:** REST APIs, Docker, Buildkite, AWS, Github Actions, CI/CD, PostgreSQL, Render, Airtable

**Design & Media Tools:** Adobe Creative Cloud (Premiere Pro, Illustrator, InDesign, Photoshop), Figma, Canva