

Shawn Neill

602-768-7418 | shawnneill24@gmail.com | [linkedin.com/in/shawnneill24](https://www.linkedin.com/in/shawnneill24) | github.com/shawnm24

EDUCATION

Arizona State University

Masters of Science in Computer Science
Bachelor of Science in Computer Science

Anticipated Dec 2026

GPA: 3.6
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TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, SQL, C#/.NET, HTML/CSS

Frameworks: React, Next.js, React Native, Node.js, FastAPI, Express

Developer Tools: Git, GitHub, Docker, AWS, GCP, Firebase, VS Code, Visual Studio

Libraries: TensorFlow, scikit-learn, pandas, NumPy, Matplotlib

EXPERIENCE

AI Quotient, Inc.

Remote

Software Engineering Intern

May 2025 – Present

- Developed an agentic AI system in Python using Claude to intelligently route user prompts to 4+ specialized synthetic data generators, reducing task resolution time by over 60%
- Integrated Pillow, NumPy, and pandas to develop a synthetic image dataset generator for segmentation and classification model training
- Designed 2 microservice agents with LLM integration, enabling flexible task handling and reducing orchestration overhead by over 85%

Full Stack Development Intern

Jan 2025 – May 2025

- Developed a cross-platform mobile app using React Native, Node.js, and Firebase for food inventory management
- Integrated barcode scanning with Expo and Google Cloud Vision API to automate food recognition, reducing manual input time by over 70%
- Implemented secure authentication with Firebase Authentication and Google OAuth, integrating Firestore for real-time inventory tracking

TAU-XYZ

Mesa, AZ

Software Engineering Intern

Jun 2024 – Aug 2024

- Built React components to visualize parsed JSON event streams, improving data readability and interactivity
- Integrated third-party APIs for real-time Algorand network transactions, increasing user engagement by 20%
- Created a Twitter bot summarizing 250K+ daily JSON events into leaderboard metrics, generating 60K+ interactions and 300+ followers
- Revamped REST API docs using Docusaurus V3, reducing developer onboarding time by 30%

Attendance Management System

Tempe, AZ

Front End Development Intern

Aug 2023 – May 2024

- Engineered a responsive attendance table using TypeScript, Next.js, React, and Instructure UI, improving performance by 25%
- Analyzed testing data across 80K+ ASU students to identify and resolve performance bottlenecks

PROJECTS

Drone Turbulence Navigator | C++, OpenCV, DSA, Microsoft Visual Studio

September 2025

- Designed a computer vision pipeline using OpenCV's Sobel edge detection to generate turbulence cost maps for efficient drone navigation with 95% accuracy
- Implemented Dijkstra's shortest path algorithm achieving optimal pathfinding and reducing error by over 25%

PortFlow | React, TypeScript, Next.js, Node.js, Vercel, GitHub API

Apr 2025 – Jul 2025

- Designed and built a full-stack web app that automatically generates and deploys developer portfolios in under 30 seconds using GitHub (OAuth, API, Pages) and resume data
- Engineered a serverless backend with session-based authentication, cookie handling, and dynamic API routing

CaptionMate | TypeScript, React, Node.js, Adobe-Spectrum UI, AWS

Oct 2024

- Sunhacks 2024 Awards: Amazon - Best Use of AWS | MLH - Most Creative Adobe Express Add-On
- Developed an Adobe Express add-on that translates video/audio transcripts into any language
- Designed a serverless backend using AWS Lambda and S3, enabling seamless processing of Base64 encoded files into Amazon Transcribe and Translate models