

# Norman Manigault

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## EDUCATION

### Arizona State University

BS, Computer Science, 3.73

Tempe, AZ

Expected May 2027

## RELEVANT COURSEWORK

Data Structures and Algorithms | Digital Design Fundamentals | Object Oriented Programming

## EXPERIENCE

### Cita Marketplace

Software Engineer Intern

June 2025 - August 2025

Remote

- Developed and deployed a feature for sellers to submit restaurant reservations, ensuring data validation and seamless integration using Next.js, TRPC, and SQL
- Optimized front-end user flows for reservation purchasing using Tailwind CSS, reducing user checkout time by **15 percent**.
- Collaborated with cross-functional teams to identify user pain points, implement fixes, and roll out new features, increasing customer satisfaction metrics by **20 percent**.

## PROJECTS

### ASU ProfessorView | Typescript, JavaScript

September 2025 – Present

- Integrated RateMyProfessor ratings directly into the ASU class search via API, reducing professor lookup time by **80%**
- Optimized performance using a TTL cache, cutting API call volume by **60%** and improving extension load speed
- Injected responsive UI utilizing returned data, delivering real-time professor insights that enhanced class registration for **700+** students across ASU

### American Sign Language Detector | Python

July 2023 - May 2024

- Developed a real-time ASL recognition system using Python, Mediapipe, Pandas, Numpy, OpenCV, and Scikit-learn detecting 26 alphabet signs and numbers 0-9
- Utilized Google's Mediapipe framework to train the model based on hand landmarks of various ASL signs
- Enhanced model performance by **25%** through data augmentation and optimized dataset handling for improved accuracy

## LEADERSHIP EXPERIENCE

### Co-founder & Technical Director

It Starts With Us

August 2025 - Present

- Established volunteer organization engaging **2 community partners**, launching comprehensive youth programs that served **100+ students** through tutoring and mentorship initiatives
- Assisted the construction of **50+ volunteers** supporting two long-term partnerships, delivering over **200 hours of service** to local youth programs
- Developed the organization's website using **Next.js** and **Tailwind CSS**

### Development Lead

PCS @ ASU

Oct 2025 - Present

- Coordinated cross-university collaboration by establishing an academic partnership between PCS @ ASU and its originating chapter at **UC Berkeley**, increasing membership count by **30%**

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, Typescript, HTML/CSS, C, C++, PostgreSQL, SQL

**Developer Tools:** Git, TRPC,

**Libraries and Frameworks:** Node.js, Pandas, NumPy, Matplotlib, TensorFlow, OpenCV, SpringBoot, scikit-learn, scikit-image, React, React Native, Next.js, TailwindCSS