

Norman Manigault

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EDUCATION

Arizona State University <i>BS, Computer Science, 3.73</i>	Tempe, AZ <i>Expected May 2027</i>
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RELEVANT COURSEWORK

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

EXPERIENCE

Cita Marketplace <i>Software Engineer Intern</i>	June 2025 - August 2025 <i>Remote</i>
<ul style="list-style-type: none">Developed and deployed a feature for sellers to submit restaurant reservations, ensuring data validation and seamless integration using Next.js, TRPC, and SQLOptimized 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 <i>TypeScript, JavaScript</i>	September 2025 – Present
<ul style="list-style-type: none">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 speedInjected responsive UI utilizing returned data, delivering real-time professor insights that enhanced class registration for 700+ students across ASU	

American Sign Language Detector <i>Python</i>	July 2023 - May 2024
<ul style="list-style-type: none">Developed a real-time ASL recognition system using Python, Mediapipe, Pandas, Numpy, OpenCV, and Scikit-learn detecting 26 alphabet signs and numbers 0-9Utilized Google's Mediapipe framework to train the model based on hand landmarks of various ASL signsEnhanced model performance by 25% through data augmentation and optimized dataset handling for improved accuracy	

LEADERSHIP EXPERIENCE

Co-founder & Technical Director <i>It Starts With Us</i>	August 2025 - Present
<ul style="list-style-type: none">Established volunteer organization engaging 2 community partners, launching comprehensive youth programs that served 100+ students through tutoring and mentorship initiativesAssisted the construction of 50+ volunteers supporting two long-term partnerships, delivering over 200 hours of service to local youth programsDeveloped the organization's website using Next.js and Tailwind CSS	

Development Lead <i>PCS @ ASU</i>	Oct 2025 - Present
<ul style="list-style-type: none">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