GRANT M. JOHNSON

(602) 326-7617 | gmjohn22@asu.edu | Chandler, AZ | linkedin.com/in/grant-m-j

EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering — May 2027
Bachelor of Science in Computer Science; Data Science (Minor); GPA: 4.00/4.00 — *Tempe, AZ*
- Awards and Honors: Dean's List (4x); New American University Scholar ($32,000); Barrett, The Honors College
- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming and Data Structures, Intro to Software Engineering, Information Assurance, Discrete Mathematics, Exploring Data in Python and R

EXPERIENCE

AI Systems Intern — June 2025 – September 2025
Intel — *Chandler, AZ*
- Engineered GPU memory profiling pipeline using Intel MPT to analyze LLM workloads on Battlemage GPUs
- Developed automated data collection framework with batch scripting and ETL tools for AI workload analysis
- Implemented LLM optimization workflow with OpenVINO GenAI to quantize and deploy models on discrete GPUs

Software Engineer Intern (Functional Safety) — September 2024 – June 2025
Intel Automotive — *Chandler, AZ*
- Implemented pre-OS checker validation tool to verify boot sequences on 2 Intel platforms with Docker and CI/CD
- Developed a Python tool using pandas and web scraping to automate analytics and reporting for data reviews
- Collaborating with cross-functional teams including software engineers, product managers, and quality engineers

Full Stack Software Engineer Intern — May 2024 – August 2024
Galago — *Phoenix, AZ*
- Collaborated on a mock event app for client WAVE using React and MUI for a responsive, dynamic UI
- Designed RESTful backend services with Express.js and MongoDB for efficient data management
- Integrated the SendGrid API for a secure password recovery system and implemented JWT-based authentication

PROJECTS

AlterView - Winner of ScaleU + PIA: AI Agents in Education Hackathon 2025 — alterview.me
- Created an AI-based student assessment, awarded 1st place among 100+ applicants and won a $5000 prize
- Developed a front end using Next.js, TypeScript, and Tailwind to enhance user experience and performance

Fable: All-In-One Storytelling Hub - SunHacks Hackathon 2024 Winner — Devpost
- Awarded 1st place at SunHacks(ASU Hackathon) among 600+ competitors and 130 final project submissions
- Developed using Next.js, TypeScript, and Tailwind; integrated Whisper, DALL-E, and ElevenLabs APIs for transcription and image generation; implemented secure account storage with MySQL, Prisma, and Express.js

PROFESSIONAL DEVELOPMENT

Senior Consultant — September 2024 – Present
New Venture Group (NVG) at Arizona State University — *Tempe, AZ*
- Underwent training in market analysis, casing, and problem-solving; applying these skills to real-world clients
- Benchmarking competitor marketing tactics for YC startup, Trieve, uncovering unique go-to-market approaches

Software Engineer Consultant — January 2024 – Present
TAMID Group at Arizona State University — *Tempe, AZ*
- Contributed to full-stack development of club's website and participated in two technical engagements
- Won 1st place in internal slide deck competition and collaborated on recruitment by conducting interviews

TECHNICAL SKILLS

Programming Languages: C/C++, Java, JavaScript, TypeScript, HTML/CSS, Dart, Python
Frameworks and Libraries: React, Node.js, Next.js, Flutter, Express.js
Other: Git, GitHub, SQL, Microsoft Office, MongoDB, UI/UX Design, Jira, Linux/Unix, Docker
Interests: Karate (3rd Degree Black Belt), Bouldering, Football (NY Giants), Soccer (Arsenal), Snowboarding