

George Badulescu

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EDUCATION

Arizona State University, Ira Fulton Schools of Engineering

B.S. in Computer Science | Dean's List

Aug 2022 – May 2026

GPA: 3.85

TECHNICAL SKILLS

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

Frameworks/Tools: React, Next.js, Node.js, .NET Core, ASP.NET, FastAPI, Express.js, Git, Docker, CI/CD

Databases/Cloud: PostgreSQL, AWS, MongoDB, Oracle, SQLite, Supabase, Prisma ORM, Dapper ORM

Certifications: AWS Certified Solutions Architect – Associate, DeepLearning.AI Machine Learning Specialization

EXPERIENCE

Medtronic

Jun 2025 – Aug 2025

Software Engineering Intern

Tempe, AZ

- Developed enterprise DMAS dashboard processing **10,000+** daily test files across **5 global facilities** using **Next.js, TypeScript, and ASP.NET Core**, reducing error detection time by **75%**
- Architected high-performance analytics system handling **1M+** **Oracle** database records with sub-second response times using **Dapper ORM** and optimized **SQL** queries, improving data retrieval speed by **85%**
- Deployed production application to **Windows Server** with **IIS** configuration, integrating **C# APIs** and **SSH** remote monitoring for real-time manufacturing KPI tracking across distributed DMAS instances

Opportunity Hack

Jun 2025 – Aug 2025

Summer Volunteer Intern

Remote

- Built Scholarship Management System using **Next.js, React, and MongoDB** serving **1,200+** students
- Developed admin dashboard with **CRUD** operations and advanced search, accelerating scholarship processing workflows
- Implemented **CSV** export and reporting features, reducing administrative overhead by **50%**

DevX Solutions

Jan 2025 – Jun 2025

Full Stack Engineer

Tempe, AZ

- Developed software solutions for **5+ clients** using **React, Node.js, TypeScript, Supabase, and AWS**
- Implemented database management and authentication using **Supabase** and **PostgreSQL**, securing user data across client applications

GBCS Group

Jan 2024 – May 2024

Software Developer Intern

Remote

- Optimized database performance with **Prisma, PostgreSQL** schemas, and efficient **SQL** queries, improving response times
- Implemented **CI/CD** pipelines using **GitHub Actions** and **Docker**, automating deployments and reducing release time

LEADERSHIP EXPERIENCE

Technical Officer | The AI Society at ASU

Mar 2025 – Present

- Developed internal tools for event management and member engagement using **React** and **Node.js**
- Led **AI** workshops and delivered technical lectures to **100+ students** on machine learning concepts

Workshop Volunteer | Desert CodeSprouts Workshop (SCAI, ASU)

Mar 2025 – May 2025

- Mentored **48 students** in **Python** programming and machine learning with **20+ volunteers** and faculty

PROJECTS

PhishGuard 360 | Demo and Code

Next.js | Python | Flask

- Won **\$1,000** building **multi-layer AI** phishing defense system with Chrome extension, **DistilBERT** classification, and **LLM** detective agent using **RAG** database for personalized threat detection

RacketVision | Source Code

Next.js | Python | FastAPI

- Built **AI** tennis coaching platform with **MediaPipe** pose analysis, **Next.js** frontend, and **FastAPI** backend using **Supabase**