

# George Badulescu

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## EDUCATION

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

**Aug 2022 – May 2026**

*Arizona State University, Ira Fulton Schools of Engineering*

*GPA: 3.85*

## TECHNICAL SKILLS

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

**Frameworks:** React, Next.js, Node.js, .NET Core, ASP.NET Core, FastAPI, Express.js

**Infrastructure/Tools:** AWS, Docker, Git, CI/CD, GitHub Actions, IIS

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

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

## EXPERIENCE

**Software Engineering Intern**

**Jun 2025 – Aug 2025**

*Medtronic*

*Tempe, AZ*

- Developed the Enterprise dashboard ingesting **10,000+** daily manufacturing test files across **5** global facilities with **Next.js**, **TypeScript**, and **ASP.NET Core**, reducing error detection time by **75%**
- Improved analytics over **1M+** **Oracle** records to achieve sub-second responses by optimizing application-side data access with **SQL** and **Dapper ORM**, improving retrieval speed by **85%**
- Deployed to **Windows Server** with **IIS** and integrated **C#** APIs with SSH-based monitoring for real-time KPI tracking across distributed instances

**Software Developer Intern**

**Jun 2025 – Aug 2025**

*Opportunity Hack*

*Remote*

- Built a scholarship management system serving **1,200+** students with **Next.js**, **React**, and **MongoDB**
- Developed an admin dashboard with **CRUD** workflows and advanced search to accelerate scholarship review and processing
- Implemented **CSV** export and reporting features, reducing administrative overhead by **50%**

**Full Stack Engineer**

**Jan 2025 – Jun 2025**

*DevX Solutions*

*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

**Software Developer Intern**

**Jan 2024 – May 2024**

*GBCS Group*

*Remote*

- Reduced database latency by tuning **PostgreSQL** schemas and optimizing **SQL** queries using **Prisma**
- Implemented **CI/CD** pipelines with **GitHub Actions** and **Docker**, automating deployments and accelerating releases

## LEADERSHIP EXPERIENCE

**Technical Officer | The AI Society at ASU**

**Aug 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**

**Mar 2025 – May 2025**

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

## PROJECTS

**The Overseer | Raspberry Pi | OpenCV | FastAPI | Python | Bash | Cron**

**Nov 2025 – Present**

- Built a Raspberry Pi productivity enforcer that triggers a 6:30 AM routine via **cron** and unlocks only when **OpenCV** verifies presence, re-triggering after **5+ minutes** away
- Implemented a local **FastAPI** service that locks the computer and blocks distracting sites until a task is completed

**PhishGuard 360 | Next.js | Python | Flask**

**Oct 2025**

- Built PhishGuard-360 in **24 hours**, a 3-layer phishing defense system using a threat database, fine-tuned **Distil-BERT**, and an **LLM** investigator with **RAG**
- Achieved **94%** detection accuracy and reduced false positives by **8%**