

# 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/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

**Software Engineering Intern**

**Jun 2025 – Aug 2025**

*Medtronic*

*Tempe, AZ*

- Developed enterprise 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 instances

**Software Developer Intern**

**Jun 2025 – Aug 2025**

*Opportunity Hack*

*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
- 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*

- Optimized database performance with **Prisma**, tuned **PostgreSQL** schemas, and efficient **SQL** queries to cut latency
- Implemented **CI/CD** pipelines using **GitHub Actions** and **Docker**, automating deployments, accelerating releases

## 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

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

**Nov 2025 – Present**

- Built a Raspberry Pi productivity enforcer that starts a **6:30 AM** wake routine via **cron** and stops only when **OpenCV** detects my face at the desk, re-triggering after **5+ minutes** away
- Implemented a local **FastAPI** service that locks my computer and blocks distracting sites until the user-defined task is completed and verified

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

**Sep 2025**

- 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