

Dominic Galiano

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EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science, GPA 4.00

Atlanta, GA

Aug. 2024 – Present

The University of Texas at Austin

Bachelor of Science in Chemical Engineering, Minor in Computer Science, GPA 4.00

Austin, TX

Aug. 2019 – May 2023

EXPERIENCE

Software Engineer

Deloitte

February 2024 – Present

Boston, MA

- Designed and developed a metadata onboarding pipeline comprising of five C# microservices using ASP.NET, Entity Framework, and GKE to support a terabyte-scale data archival system
- Led a geographically diverse pod of developers, conducting weekly code reviews and providing technical mentorship to ensure high-quality, on-schedule deliverables
- Collaborated with a globally distributed group of technical and non-technical client stakeholders to resolve integration challenges, align development with compliance regulations, and ensure long-term scalability and cost savings
- Developed an LLM-powered chatbot with Gemini 1.5 Pro and Gradio to automate new hire onboarding tasks such as document submission and status tracking, reducing manual support interactions by an estimated 75%

Software Engineering Intern

Samsung Semiconductor

May 2022 – August 2022

Austin, TX

- Designed a full-stack web application using Django and React to monitor and visualize real-time manufacturing conditions, reducing daily task time by 90% for a team of 7 engineers
- Integrated backend code with Samsung's private cloud to enable real-time aggregation of process data, improving data accessibility and analytics capabilities
- Collaborated with process engineers to build an exhaustive digital knowledge base using Confluence for new engineers, technicians, and management in preparation for workforce expansion

PROJECTS

Distributed File System | C++, gRPC, Protocol Buffers

Fall 2024

- Designed and implemented a distributed file system with client and server processes using C++, gRPC, and Protocol Buffers
- Features include asynchronous, push-based file updates, client write lock mechanism, and local file caching

Multithreaded Proxy Cache Module | C

Fall 2024

- Developed a multithreaded cache process using POSIX shared memory and message queues, enabling multiple local proxy server instances to access and share files at in-memory speeds

Homebase App | Swift, Firebase

Fall 2022

- Developed an iOS app using Swift and Firebase to enhance roommate collaboration and communication, featuring chore and event reminders, a shared shopping list, and task tracking
- Used CoreData for local data storage, UIKit for frontend UI design, and EventKit for calendar integration

TECHNICAL SKILLS

Languages: C#, Python, Java, C/C++, Go, Swift, JavaScript/TypeScript, SQL (PostgreSQL), HTML/CSS

Frameworks: ASP.NET, Entity Framework, Django, Flask, FastAPI, Spring Boot, Hibernate, Express, React, Redux, Next.js, Svelte

Tools and Infrastructure: Kubernetes, Docker, Github Actions, gRPC, Nginx, Redis, PostgreSQL, GDB, Make, Git, Linux (Amazon, Ubuntu, Debian)

Libraries: Protocol Buffers, Langchain, Pandas, Matplotlib

Certifications: AWS Certified Cloud Practitioner, Google Cloud Associate Cloud Engineer