CARLOS IÑIGO FERNANDEZ

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EDUCATION

University of Illinois at Urbana-Champaign | Grainger College of Engineering   **Champaign, Illinois**
Bachelor of Science in Computer Science | Minor in Business | GPA: 3.64/4.00   *May 2025*
- **Relevant Coursework:** Algorithms, Systems Programming, Compilers, Data Structures, Discrete Structures, Database Systems, Data Science, Computer Architecture, Statistics, Finance, Accounting, Marketing

SKILLS

Languages: Python, Java, C++, JavaScript, TypeScript, SQL (PostgreSQL, DynamoDB), HTML/CSS, Bash, GraphQL
Frameworks & Libraries: React, Flask, Pandas, Next.js, Node.js, NumPy, Neo4j, TensorFlow, PyTorch, Scikit-learn
Cloud & Dev Tools: AWS (S3, EC2, Lambda, DynamoDB, RDS, SQS, SNS), GCP, Terraform, CI/CD, Git, Postman

WORK EXPERIENCE

Snap Inc. | Santa Monica, California   Summer 2024
Software Engineer Intern – Monetization
- Enhanced advertisement relevance and engagement by adding metro and regional targeting to Snap Promote using React, TypeScript, and GraphQL integration, helping beat monthly active advertisers goal by 10k (24%)
- Boosted API efficiency, reducing query times and improving app speed by 15%, enhancing advertiser activation

State Farm | Champaign, Illinois   May 2023 – Present
Software Engineer Intern – Property and Casualty Actuarial (Auto & Fire)
- Developed Retrieval-Augmented Generation (RAG) system to extract documents stored in S3, and streamlined customer support for stakeholders via Next.js UI, leveraging GPT-4o for seamless customer interactions

Software Engineer Intern – Property and Casualty Actuarial (Competition)
- Implemented ML-driven table recognition model using PyTorch and HF Transformers, achieving 98% extraction accuracy, reducing document processing time and improving efficiency of competitive analysis

Software Engineer Intern – Engineering
- Built Random Forest-based cloud migration complexity tool using Scikit-learn and AWS Lambda, optimizing resource allocation and cutting AWS deployment time by 18%, improving overall project efficiency

Software Engineer Intern – Enterprise Data Enablement
- Spearheaded migration of 5M+ on-premise documents to AWS on Neo4j, enabling live upload and issue tracking
- Utilized AWS, Python, and CI/CD pipelines to ensure 99% success rate for 75k+ daily database uploads
- Produced Cypher-based visualization tool with 100% query accuracy, cutting agent work hours by 24%

Meta Frazo | Champaign, Illinois   July 2023 – Present
Machine Learning Engineer & Product Manager
- Implemented seamless video dubbing with 95% accuracy by integrating Flask, DeepL, and Wav2Lip on AWS
- Streamlined workflows and operational efficiency by initiating Agile, raising developer engagement by 25%
- Preserved 100% data integrity with zero breaches by adopting strict encryption and AWS security

LEADERSHIP EXPERIENCE

State Farm Hack--Thon | Bloomington, Illinois   July 2023
Team Captain
- Piloted team in 24-hour Hack Day to develop full-stack social networking web app using React and Neo4j
- Crafted minimum viable product fostering community and employee well-being with an 85% approval rating
- Pitched solution to 15,000+ employees; currently in the process of co-filing patent for the idea with State Farm

Software Design Lab | Champaign, Illinois   Fall 2022
Group Lead
- Developed full-stack UIUC class recommendation web app, featuring insights on professors and section GPAs
- Integrated live data integration with Pandas, enhancing user experience with tailored section calculator feature