

Darnel Castor

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EXPERIENCE

Headstarter, New York, NY

Full-Stack Software Engineer

Sept 2024 – Feb 2025

- Evaluated over **25+** models by engineering a unified LLM Evaluation Platform utilizing **AWS, Typescript, React, PostgreSQL**.
- Designed market anomaly detection system using **Python**, supporting over **5,000 stock** tickers.
- Optimized datasets by **75%** through advanced preprocessing and model tuning techniques using **Python**.

Outreach, Seattle, WA

Software Engineer Intern

Jun 2022 – Aug 2022

- Increased Efficiency by **30%** utilizing **Go(Golang)** to optimize Legacy Database performance.
- Reduced migration time by **40%** through optimized data transfer protocols and schema federation by streamlining databases.
- Reduced downtime by **60%** within a **5-person team**, through resolving issues within the database migration process.

Clayton State University, GA Morrow,

Student Technology Assistant

Sep 2018 – May 2021

- Engineered automated IBM Watson Chatbot, achieving **85%** confidence in response accuracy.
- Implemented **Python, JSON** and **HTML** integrations to optimize Writer s Studio chatbot performance by **75%**.
- Developed object-oriented programming Solutions alongside Technical support manager for chatbot enhancement.

SKILLS

- **Languages:** Java, C#, JavaScript, Python, SQL, HTML/CSS, C++, TypeScript
- **Frameworks:** .NET, React, Node.js, Angular, Flutter, React Native, Flask, Django, Next.js
- **Tools:** Git, MySQL, SQLite, PostgreSQL, MongoDB, Postman, WebRTC
- **Platforms:** AWS, Azure, GCP, Docker, Digital Ocean, Vercel, Render
- **Competencies:** RESTful APIs, Agile Methodologies, Software Development Life Cycle, Data Structures, Algorithms

PROJECTS

US-Bank Churn Prediction – Headstarter | [LINK](#)

Nov 2024 – Dec 2024

- Leveraged **30k+** dataset with advance **Python** and AI Technologies to create a predictive banking Customer Churn model.
- Engineered automated LLM System to personalize bank communications through optimized model training.

Chatstarter – Headstarter | [LINK](#)

Sept 2024 – Nov 2024

- Designed real-time chat and video platform using **AWS, WebRTC, React**, supporting **25+** simultaneous conversations.
- Facilitated **100GB** of media by building production backend services to develop high-performance video communication.

CERTIFICATIONS

Pierian Training (Udemy)

The Complete Python Bootcamp

Dec 2021

Amazon Web Services (SkillSoft)

AWS Cloud Practitioner

May 2024

LinkedIn Learning

Full-Stack Deep Learning with Python

Jan 2025

EDUCATION

Clayton State University, Morrow, GA

Bachelor of Science in Computer Science

- **Relevant Coursework:** Operating Systems, Software Engineering Design, Calculus II, Discrete Math, Data Structures & Algorithms, Data and Visual Analytics, Adv. Database Topics, Software Engineering Practicum