

Owen Bond

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Education & Certificates

- B.S. Computer Science from University of South Carolina Honors
- AWS Certified Cloud Practitioner

Work History

Developer, TIAA

Jan 23 - Present

- Designed and maintained an AI-driven FINRA complaint detection system in Python in AWS with services including Lambda, S3, SQS, SNS, and Athena, deployed via Terraform.
- Managed CI/CD pipelines in CloudBees Jenkins, including creating pipelines mapped to independent environments and handling production deployments with cross-regional disaster recovery.
- Maintained and created PostgreSQL databases and schemas.
- Used Docker to streamline Python package management across projects, reducing deployment failures and tech debt.
- Created and maintained GitLab repositories for agentic context engineering initiatives with Claude Code, including documentation and support for non-technical stakeholders.

Intern, TIAA

Jun 22 - Jan 23

- Created a rolling smartphone distribution logistics plan with the Legal Risk and Compliance team using Python and Pandas for data structuring.
- Won an intern hackathon by developing a real-time sign language recognition app using Python, TensorFlow, and OpenCV, leading to an extension of the internship to continue the project.
- Used SQL to query and organize employee data for operational reporting and analysis.

Undergraduate Researcher, UofSC

Aug 21 - May 22

- Built RESTful APIs and designed a PostgreSQL database for IoT projects supporting elder safety.
- Built a Python pipeline using BeautifulSoup4, Selenium, and spaCy to extract and categorize grant data for matching research teams to relevant funding opportunities.