

Christopher D. Eckart

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EDUCATION

Georgia Institute of Technology | Atlanta, GA

August 2018 - May 2022

- Major: B.S. Computer Science (Intelligence and Modeling & Simulation); Minor: Mandarin Chinese *GPA: 3.80/4.0*

WORK EXPERIENCE

Qualtrics LLC | Seattle, WA | *Software Engineer II*

August 2022 - Present

- Led the development and integration of generative AI into Text iQ, enabling customers to generate hierarchical topic trees for advanced text analytics, using their project data as LLM context. Won 1st place for “Innovative Use of Language Models” in a company hackathon, drove the project from prototype to production, and launched to ~70 early access brands while leading cross-functional efforts across QE, PM, UX, and engineering.
- Delivered full-stack enhancements (React, Redux, Scala Play) across 30+ repos – including RegEx-based query syntax highlighting, support for deep topic hierarchies, and UI enhancements. Cut page load times by 72% (44s → 12s) for large topic models through memoization, optimized state management, and usage of scalable data structures.
- Built an API test environment and integrated it into the Jenkins pipeline to proactively stress test large-scale analyses and reduce regressions. Revamped health check canaries and built Grafana dashboards for monitoring and alerts.
- Drove the unification of two distinct text analysis platforms by building a new platform (React, NestJS, Postgres) for users to create, manage, and refine topic models with generative AI, expanding on prior AI-driven capabilities.

Deloitte Consulting LLP | Atlanta, GA | *Government & Public Services Consulting Intern*

June 2021 - July 2021

- Conducted stakeholder interviews at a national publications company to identify marketing pain points, and then proposed AI-powered solutions to achieve better audience segmentation.

NCR Corporation | Atlanta, GA | *Software Engineering Intern*

June 2020 - August 2020

- Won 3rd place out of more than 300 teams in a company hackathon, acting as lead front-end developer for OCR nutrition facts scanning app (SwiftUI, iOS), personalizing grocery substitutions to shopper’s dietary preferences.
- Created customer-facing validation tool to ensure compliant web service integration with mobile self-checkout platform (Java); complete with customizable test suite, endpoint analytics, and user/developer documentation.

Raymond James Financial, Inc. | Tampa, FL | *Information Technology Intern*

May 2019 - August 2019

- Developed web-app (React) to catalog and search RESTful and SOAP enterprise services across the firm.
- Won “Best in Show” award at intern expo, by utilizing big data software (Splunk) to identify high impact errors in advisor-facing applications, and later presented solutions to upper-level management and executives.

PROJECTS & RESEARCH

Sendit - College Chat | *Founder*

February 2021 - August 2024

- Built a feature-rich social media platform where students can post text, images, and polls; explore feeds from nearby colleges; participate in daily global polls; and customize profiles with anonymous posting options (SwiftUI, iOS).
- Leveraged Firestore for real-time data management and deployed dozens of Cloud Functions to automate notifications (APNs), synchronize collections, and update denormalized counters for optimized read-heavy queries.
- Developed Redis-backed friend-finding algorithm based on users’ social graphs and integrated fast user and college search using Typesense.

Social and Language Technologies (SALT) Lab | Georgia Tech | *NLP Researcher*

September 2019 - July 2022

- Used Pandas to process 5.5M+ tweets related to climate change, applying named-entity recognition and sentiment analysis to extract key entities and track attitude shifts over time, visualized with Matplotlib.
- Analyzed results on a per-state level to appreciate how the politicization of climate change has potentially impacted online climate change discourse by mapping states’ respective political leaning in the 2020 presidential election to their sentiments towards the most mentioned people, organizations, countries, and nationalities (spaCy & VADER).

SKILLS

Frontend: TypeScript/JavaScript (React, Next.js, Redux, Vite, Webpack), Tailwind, Swift (SwiftUI, UIKit)

Backend: Node.js (Fastify, NestJS), SQL (Postgres), NoSQL (Firestore, MongoDB, Redis), Scala/Java (Play), Python

DevOps, Testing, CI: Git, Jest, Vitest, Jenkins, Spinnaker, Splunk, Grafana, Docker, Rundeck, Amplitude, Kubernetes