

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

- Spearheaded the development and integration of generative AI features into Text iQ, our core text analytics platform, enabling customers to use their data as LLM context to generate a hierarchical tree of topics with labels and search queries to categorize their data, easing the steep learning curve and lowering costs associated with topic model setup.
- Won “First Place for Innovative Use of Language Models” in company hackathon; later led project proposal and design, coordinated efforts across QE, PM, UX, and engineering, and managed release for early access customers.
- Played a key role in the full-stack development of Text iQ, including a front-end migration from Angular to React, support for multi-level topic hierarchies beyond parent-child, a foundational suite of integration tests, a robust query syntax highlighting algorithm, and a comprehensive consolidation and upgrade effort of dependencies.
- Drove the unification of two distinct text analysis platforms to enable users to seamlessly view, manage, and create topic models across projects within a single, cohesive interface.

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

June 2021 - July 2021

- Conducted stakeholder interviews within a large national publications company to understand and assess pain points related to the organization’s current marketing capabilities across all channels.
- Met with data scientists, consultants, and managing directors across the firm to hear about the real-world applications of statistics, machine learning, and artificial intelligence in governmental and commercial contexts.

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

June 2020 - August 2020

- Won 3rd place out of more than 300 teams in the 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 correct 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 to catalog and search RESTful and SOAP enterprise services across the firm (React).
- Utilized big data software (Splunk) to identify high impact errors in advisor-facing applications and presented solutions to upper-level management and executives, receiving the “Best in Show” award.

PROJECTS & RESEARCH

Sendit - College Chat | *Founder*

February 2021 - Present

- 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 used Cloud Functions to automate notification delivery and data synchronization triggered by user interactions such as likes, comments, and profile updates.
- Developed Redis-powered friend-finder ranking algorithm based on activity and social connections and integrated fast user and college search with Typesense.

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

September 2019 - July 2022

- Performed named-entity recognition and sentiment analysis on 5.5M+ tweets related to climate change to extract the most significant entities present and to visualize how attitudes towards the entities have changed over time.
- 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

Languages & Frameworks: TypeScript, React, Node.js, Swift, SwiftUI, UIKit, Scala, Python, Java, C#, SQL

Databases & Cloud: Google Cloud Platform, Firebase (Firestore, Auth, Cloud Functions), Redis, Typesense, Supabase

Tools & DevOps: Git, Docker, Jenkins, Splunk, Grafana, Spinnaker, NumPy, Pandas