

EDUCATION

Dartmouth College

Hanover, NH

BS. Computer Science, BS. Mathematics, GPA: 3.85/4.0

Expected 2027

- **Relevant Coursework:** Algorithms, Data Structures, Operating Systems, Computer Networks, Computer Architecture, Databases, Software Design & Implementation, Deep Learning, Machine Learning & Statistical Data Analysis, Full-Stack Web Development, Linear Algebra, Discrete Math, Probability, Statistics

PROFESSIONAL EXPERIENCE

Aristocrat

Boston, MA

Software Development Engineer Intern (Remote)

June 2025 – August 2025

- Collaborated with 7-member team to develop and release a web and mobile application.
- Improved productivity by reducing time and effort to discover and access data, by deploying a data discovery tool, leading to faster and more informed decision-making, enabling teams to focus on value-adding tasks.
- Leveraged knowledge in Linux, Python, JavaScript, RESTful APIs, Jira, BrowserStack, Kubernetes, Amazon EKS, Agile

Medical University of South Carolina

Charleston, SC

Research Intern (Remote)

June 2023 – February 2025

- Designed and implemented a deep learning pipeline using CNNs to analyze IVUS images and reconstruct real-time 3D cardiac models
- Optimized custom preprocessing steps and model architectures, improving baseline accuracy and inference efficiency
- Deployed multiple models tailored to varying frame rates to enable smooth performance in live procedural visualization
- Leveraged knowledge in Deep Learning, Python, C++, TensorFlow, Docker, Kubernetes, AWS, FastAPI, WebSockets, ThreeJS

Boeing

North Charleston, SC

Data Science Intern

June 2022 – August 2022

- Spearheaded data analytics initiative analyzing 20,000+ airplane production non-conformance data entries to extract actionable insight
- Developed a refined nonconformance categorization system & novel UI
- Leveraged knowledge in SQL, Oracle, Machine Learning, TypeScript, NodeJS, ReactJS, GitHub

SELECTED PROJECTS

Equity Sentiment Scraper:

- Built a real-time platform to track equities, scrape related news, and integrate NLP to create actionable AI-assisted trading insights
- Fine-tuned multiple HuggingFace LLMs with specialized datasets on financial article sentiment, enabling more precise trading insights
- Integrated automated web scraping, data storage, and analysis pipelines to deliver timely insights to users
- Utilized: Python, Pandas, NumPy, TensorFlow, HuggingFace, NLTK, WebSockets, SQL, PostgreSQL, Docker, Git

All Good Things:

- Developed a full-stack mobile application delivering exclusively positive news to reduce user media negativity exposure
- Designed and implemented an ETL pipeline that scrapes RSS feeds, performs sentiment analysis, and classifies articles
- Utilized: TypeScript, NodeJS, ReactJS, TailwindCSS Expo, MongoDB, ExpressJS, Python, NLP, AWS Lambda, AWS SageMaker

EXTRACURRICULARS

- **Dartmouth Quantitative Finance Club:** Hosting and participating in various education sessions, workshops, and sponsored events, including probability and game theory lectures, sponsored market making games, and poker socials.
- **Object Oriented Programming Teaching Assistant:** Assisted students by hosting office hours, and conducting recitation sessions, where I guide groups through coding exercises, reinforcing core OOP, data structures, and algorithms concepts.

SKILLS

Languages: (*Proficient*) Python, C/C++, Java, JavaScript/TypeScript, SQL R, HTML/CSS (*Familiar*) Matlab

Technologies/Frameworks: (*Proficient*) Pandas, NumPy, TensorFlow, REST APIs, JSON, ReactJS, Git, Jira (*Familiar*) Linux, PyTorch, AWS, Docker, Kubernetes