

EDUCATION

Dartmouth College

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

Hanover, NH

Expected 2027

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

PROFESSIONAL EXPERIENCE

Aristocrat

Software Engineer Intern (Remote)

Boston, MA

June 2025 – August 2025

- Incoming SWE Intern

Medical University of South Carolina

Research Intern (Remote)

Charleston, SC

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, TensorFlow, Docker, Kubernetes, AWS SageMaker, FastAPI, WebSockets, ThreeJS

Boeing

Data Science Intern

North Charleston, SC

June 2022 – August 2022

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

SELECTED PROJECTS

Stock Momentum Sentiment Scraper:

- Built a real-time platform to track daily stock gainers, scrape related news, and create actionable momentum trading insights with NLP
- Integrated automated web scraping, data storage, and analysis pipelines to deliver timely insights to users
- Utilized: Python, Pandas, NumPy, TensorFlow, 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 Tech Consulting Group:** Developing and improving various software and data science projects for 7+ startup companies, applying concepts of software development and utilizing various programming languages, tools, and frameworks.
- **Object Oriented Programming (Java) Teaching Assistant:** Assisted students by hosting office hours, and conducting recitation sessions, where I guide groups through coding exercises, reinforcing core OOP concepts and enhancing students' coding skills.

SKILLS

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

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