Blake Sanie

Computer Science Student

Personal Info

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Languages

Python	JavaScript
Java	HTML / CSS
SQL	C / C++

Technologies

PyTorch	AWS / GCP
Docker	React (Native)
Redis	Firebase
Spark	Tensorflow

Technical Skills

Git	Data Structures
AI / ML	Statistical Analysis
SEO	Algorithm Design
UI / UX	Distributed Systems
Jira	Cloud Architecture
Slack	Database Design

Business Skills

French and Farsi

Team Leadership

Critical Thinking

Agile Methodology

Conflict Resolution

Exuberant, inventive programmer and leader. Inquisitive at heart and welcoming of challenge. Seeking a summer 2023 internship where I will leverage and develop skills while delving into cutting-edge concepts.

Experience

2021-08-Present

College of Computing, Georgia Tech - Atlanta, GA
Undergraduate Teaching Assistant, Intro to AI (CS 3600)
- Refined projects, worksheets and exams, improving course content
- Assisted in lectures of 300+ students by clearly answering student questions
- Lead comprehensive review sessions after release of each unit project

2022-06-2022-08

Capital One - Chicago, IL
Software Engineering Intern, Card Data Engineering & Analytics
- Amplified petabyte-scale sensitive data detection accuracy from 50% to 99% with transformer networks and feature-dense NLP tokenization schemes
- Established continuous training and inference pipeline between AWS EMR, S3, and Fargate to strengthen model coverage, adaptability, and automation

2021-06-2021-08

Schonfeld Strategic Advisors - New York, NY
Software Engineering Intern, Treasury Technology
- Oversaw creation of broker simulation microservice enabling end-to-end tests for multibillion-dollar short allocation system with > 150K daily trade volume
- Coordinated across firms to integrate MS, GS, and JPM locates services
- Delivered React-based admin dashboards with overriding broker controls

2020-06-2020-08

GoGoody Inc. - Newark, CA
Software Engineering Intern, Ecommerce
- Quartered database response time by restructuring product, SKU tables
- Containerized MySQL and Node.js microservices within AWS EC2 instances

Education

2019-08-Present

Georgia Institute of Technology - Atlanta, GA
- **M.S.** in Computer Science, Fall 2023
- Machine Learning concentration
- **B.S.** in Computer Science, Fall 2022
- 4.0/4 GPA
- Artificial Intelligence and Information Internetworks concentration

Projects

2019-11-Present

Investivision.com
- Pioneered ML stock growth, risk, momentum, and pattern evaluation methods
- Built highly-interactable insight screener with custom criteria engine
- Developed by-your-side stock investment assistant as a Chrome extension
- Based on self-devised autonomous strategy with 34% return, 50% risk of S&P
- Adapted SaaS business model with Stripe-driven subscription lifecycle

Certifications

AWS Certified Cloud Practitioner - Amazon Web Services
- Critical knowledge of implementing best-practice cloud initiatives with 50+ AWS services
- Hands-on experience with EC2, S3, EMR, RDS, Lambda, Fargate, Route 53, DynamoDB

Certified Secure Software Engineer (CSSE) - Capital One
- Defense against Code Injection, XSS, Access Control, and Session Handling vulnerabilities