

Blake Sanie

Computer Science Student

Personal Info

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Languages

JavaScript Java

Python HTML / CSS

SQL Swift

Technologies

Firebase AWS

TF / Keras React Native

jQuery MongoDB

Technical Skills

Data Structures

Algorithms

Task Automation

Git / Github

Full Stack Development

Database Architecture

Business Skills

French and Farsi

Time / Project Management

Critical Thinking

Exuberant, inventive programmer and leader. Inquisitive at heart and welcoming of challenge. Seeking a summer 2020 internship where I will leverage and develop skills while delving into new programming concepts.

Experience

2020-04- **Forescreen.com** - Menlo Park, CA

Present *Founder, Engineering Lead*

- Automated market research with ML stock rankings and custom metrics
- Combined PostgreSQL database and Firebase Auth into seamless UX
- Brought to market with SaaS business model including premium plan

2019-05- **Level: Baseball Technology** - Sacramento, CA

2019-08 *Software Engineering Intern*

- Prototyped cross-device video recording synchronization
- Designed and deployed Firebase database of game video and stats
- Developed intuitive, full-stack apps using React Native and jQuery

2018-10- **America Offline** - San Francisco, CA

2019-01 *Software Engineering Intern*

- Constructed cross-platform client app with React Native
- Enhanced SQL database management with Express.js and REST
- Implemented background processes to detect device usage
- Advanced iterative design process by conducting private field test

Education

2019-08- **Georgia Institute of Technology** - Atlanta, GA

Present

- 4.0 GPA
- Candidate for B.S. in Computer Science, Dec. 2022
- Machine Learning and Computer Networks Concentration
- Delta Tau Delta Fraternity

Coursework

- Object Oriented Programming
- Data Structures and Algorithms
- Discrete Mathematics
- Multivariable Calculus
- Linear Algebra
- Classical Physics

Projects

Automated Day-Trading System

- Trained LSTM Neural Network with Genetic Algorithm
- Optimized portfolio robustness with smart fund allocation
- Strategy result: 34% annual gain with 49% risk of S&P 500

Across the Aisle - Political Social Network

- Built real-time message threads using React Native and Firebase
- Devised sentiment-based moderation system
- Awarded by Rep. Anna Eshoo as finalist in 2018 Cong. App Challenge

Leadership

2019-10- **Parent and Alumni Chairman** - ΔΤΔ Fraternity, Atlanta, GA

Present

- Restructured newsletter system with automated publishing
- Organized alumni speaker series and 100th anniversary festivities
- Oversaw all contact between alumni, parents, and active members