# Blake Sanie

## Computer Science Student

### Personal Info

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- blakesanie
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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

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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-Present** — **Investivision.com** - Menlo Park, CA
*Founder, CEO, Engineering Lead*
- Automated market research with ML stock rankings and custom metrics
- Combined PostgreSQL database and REST server into seamless UX
- Brought to market with SaaS business model after beta testing phase

**2019-05-2019-08** — **Level: Baseball Technology** - Sacramento, CA
*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

**2018-10-2019-01** — **America Offline** - San Francisco, CA
*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-Present** — **Georgia Institute of Technology** - Atlanta, GA
- 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-Present** — **Parent and Alumni Chairman** - ΔTΔ Fraternity, Atlanta, GA
- Restructured newsletter system with automated publishing
- Organized alumni speaker series and 100th anniversary festivities
- Oversaw all contact between alumni, parents, and active members