

Sam Ford

Georgia Institute of Technology
Atlanta, Georgia

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OBJECTIVE

A full-time software engineering position for the spring of 2017

EDUCATION

Georgia Institute of Technology

Candidate for *Bachelor of Science* in Computer Science with a minor in Economics
Concentration in Artificial Intelligence and Modeling/Simulation

Cumulative GPA: **3.69**

Atlanta, GA

December 2017

Marmion Military Academy

Cumulative GPA: **4.31**

Aurora, IL

August 2009 – May 2013

AWARDS

Dean's List 2014, 2015, 2016

Faculty Honors 2013

Alex Kiehl Lacrosse Scholarship

Academic All-American (High School Lacrosse)

EXPERIENCE

Computer Science Research at Georgia Tech

March 2015-Present

- Created visualization framework for anomaly detection in power generating assets
- Discovered class sequences typically taken by students in the professional education at Georgia Tech
- Created web application for administrators to suggest classes to students
- Set up a Hadoop/Spark cluster with hundreds of servers for machine learning and anomaly detection at Georgia Tech
- Worked under the direction and mentorship of Polo Chau

Lean Basketball Analytics

December 2014-March 2016

- Software engineer for a basketball analytics startup
- Used by The University of North Carolina, Stanford, Michigan State, Georgia Tech, and several other colleges
- Implemented features on the frontend and backend using the MEAN stack
- Created a web-scraping app to reduce game analysis time by upwards of 100%

Norfolk Southern Content Manager Team

August 2014-December 2014

- Created a process for tracking users and train crews
 - Designed and implemented a system to manage the status of Norfolk Southern employees
 - Met weekly with my team to keep track of sprint progress
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ACTIVITIES & LEADERSHIP

Georgia Tech Men's Lacrosse

August 2013- Present

- Finished season 19-1 and currently ranked 3rd in division 1 Men's Collegiate Lacrosse Association
- Made it to the Final Four, spring 2016
- laxteams.net/gt

Tau Kappa Epsilon Fraternity

August 2013- Present

- Chapter Hypophetes – 3rd ranking member of the fraternity
- Duties include counseling fraternity members in their academics and leading the new member scholarship committee
- Preside over weekly chapter meetings in absence of the president and vice president

Student Alumni Association

August 2013- Present

RELEVANT COURSE TOPICS

Machine Learning, Knowledge Based Artificial Intelligence, Psychology of Sensation and Perception

Data Structures and Algorithms, Algorithm Design and Analysis, Automata and Complexity Theory

Discrete Math, Combinatorics, Graph Theory

Computer Systems and Networks, Computer Organization, Digital System Design, High Performance Computing

Differential Equations, Multivariable Calculus, Probability and Statistics, Economic and Financial Modeling

Programming for Engineers

SKILLS

Programming: Java (Proficient), Python (Proficient), JavaScript (Proficient), C (Experienced), MATLAB (Experienced), SQL (Experienced), Haskell (Experienced), R (Experienced), Ruby (Prior Experience)

Software and Platforms: Android, Windows, Unix, Microsoft Office

Website Development: HTML, CSS, React, Angular, Node, Express, MongoDB, Spring