

Alan Sheridan

Senior Software Engineer at Google

Summary

I am a passionate full-stack software engineer who loves solving fun problems and working with smart people. I have loved working on difficult problems in my work so far, such as in Computer Vision, Computer Graphics, Machine Learning, Graph Theory, and other exciting problems that are pushing at the edge of what is possible to accomplish with devices. I am comfortable doing every part of engineering, such as building an IOS/Android App, writing web-apps, running mapreduces, creating/managing backend pipelines, so long as the end-goal is interesting and challenging, I'm in.

I like working on cross-team, cross-product projects and enjoy straddling the line of engineering and product management to help design and implement solutions to real user problems. Such as working on improving the way users engage with Google Maps street view, creating tools to help improve the way contributors can upload and edit street view, and making it simpler for business owners to order Business View of their business.

I Have gained a wealth of leadership experience through several leadership development trainings (such as Caldwell Fellows, Ruck Leadership Institute, etc) and was recognized as NC State's Male Leader of the Pack. <http://www.ncsu.edu/csleps/leadership/lop.htm>.

I want to make a positive local and global impact, and I see software development as my medium for improving the world. However, I hope to continue outside service for the rest of my life as well as commitment to educating future generations on the values of service learning and servant leadership.

I want to continue to apply myself both as a problem solver and a leader in the tech industry. I would like to be a technical leader/manager, help to build up startups, or consult with software organizations.

Languages (ordered by proficiency):

Advanced: Javascript (HTML/CSS), Java (Android included), C++

Intermediate: C#, SQL, C, Objective C (IOS),

Experience

Senior Software Engineer at Google

May 2013 - Present

Tech lead for both an Android application and full-stack imagery team, both helping to create software that allows photographers and users to create and explore Street View content.

Technologies used:

Android/iOS App Development, javascript/html/css (Closure/JsLayout/Soy), Java (Guice - Dependency Injection), C++ (Mapreduce, Bigtable, Machine Learning)

Filed for 6 Patents related to work, hosted multiple interns, led and launched several high priority projects.

Projects:

Google Street View app

Google Business View

-- Google My Business: request a photographer

Automatically generated tours through Street View imagery.

Panorama editing web tool for position, rotation, annotation, and connections.

Panorama capture devices.

President

February 2012 - March 2013 (1 year 2 months)

It is Dance Marathon's first year at NC State and we are hard at work to create the most incredible first year Dance Marathon that has yet to be seen and am proud to be helping to lead this effort!!!

Dance Marathon unites the students of North Carolina State University and the surrounding community through year-long fundraising opportunities in an effort to benefit children and families who suffer from illness. This endeavor culminates in an event where the students, community, and families dance in celebration of their efforts and in hope to find a cure.

Vice President of Recruitment

October 2011 - November 2012 (1 year 2 months)

Analyze, organize and oversee chapter recruitment for 23 IFC fraternities.

Working to help re-brand the inter-fraternity council, integrate with on campus organizations and facilities, and ensure a positive outward view of Fraternities on Campus.

Software Engineer Intern at Google

May 2012 - August 2012 (4 months)

Design/Development/Testing, mostly front end UI Design and implementation using Javascript/HTML/CSS.

Senior Design Project

January 2012 - May 2012 (5 months)

Implemented mobile UI design for Stock Trading web-game, as well as implementing shorting features as well as leaderboards/simple social interaction/Graph Visualization.

All work was done using PHP/HTML/CSS/PostgreSQL/Java, running on an Apache Tomcat Webserver

Leadership Team

October 2010 - March 2012 (1 year 6 months)

Philanthropy/Service organization, partnered with NCSU Common Reading Initiative. Current project is to raise money to build a primary school in Cambodia to help fight Gender Inequality. Raised over 9000 dollars in first year of operation and look to improve. Spoke at all freshmen convocation regarding benefits of membership.

Choice Development Intern at Cisco Systems

May 2010 - March 2012 (1 year 11 months)

Developed energy efficient engineering projects: Implementing algorithm analysis, graph theory, version control, and router software design

Filed for two patents with energy efficient routing technology

Developed, implemented, tested committed finger printing algorithm for virtual routers

Delivered presentations at a Cisco Tech Talk and CTECH Conference

Also designed and implemented fingerprinting algorithm for Virtual Routers under VMWare.

Worked in design, specification, implementation and testing levels of software development

NC Beta, VP of Recruitment at Sigma Phi Epsilon

December 2009 - November 2011 (2 years)

Improved chapter recruitment totals by >250% over a two year period. Chapter gained charter due to outstanding recruitment over first year in office, and was awarded nationally for our recruitment efforts with an Excelsior Cup. Recruited more men than any other fraternity on campus over the past year, while maintaining the highest GPA on campus, intramural sports champions, and receiving Caldwell Cup Fraternity of the Year.

Manage committee and conduct meetings for recruitment related activities, recruitment standards, and membership selection.

Manage all recruitment events: including but not limited to Formal/Informal Rush, recruitment training, and recruitment board meetings.

Conduct and manage individual interviews for prospective members, and oversee all potential new members.

Form a sustainable group of outstanding individuals to lead the organization into the future.

Resident Advisor at North Carolina State University

January 2010 - May 2010 (5 months)

Build community in residence hall

Advise residents

First responder to university housing incidents

Program planning and execution

Enriching the lives of all residents in university housing through social interaction, education, and support.

Software Development, Intern at NetIQ

May 2009 - August 2009 (4 months)

Produced three major software projects, for the use of creating detailed reports and generating demo server data for use with NetIQ applications. Also updated report generating software for Office 2007.

Worked with Java, C#, VB, XML, SQL, and MDX.

Education

North Carolina State University

Master's degree, Computer Science, 2013 - 2013

North Carolina State University

Bachelor of Science, Computer Science and Math, 2009 - 2012

Activities and Societies: Sigma Phi Epsilon, Caldwell Fellows, Resident Advisor, Student Government, Aerial Robotics Club, Quad Area Council, Golden Chain, Order of Omega, Phi Beta Kappa, Phi Kappa Phi, SATELLITE, Interfraternity Council

Cardinal Gibbons High School

High School Diploma, 2005 - 2009

Activities and Societies: Senior Class Treasurer, Retreat Leader (6 retreats), Track and Field All-Conference, Varsity Football, Robotics Club, Science Olympiad Student Board (State Champion, Trajectory)

Carnegie Mellon University

APEA Precollege Program, Computer Science/Electrical Engineering, 2008 - 2008

Honors and Awards

NCSU Engineering Senior for Leadership, Leader of the Pack

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[Contact Alan on LinkedIn](#)