

Louis A. Williams

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OBJECTIVE	To obtain a software engineering position related to distributed systems, full-stack web development, or artificial intelligence.	
EDUCATION	B.S., Computer Science, <i>Highest Honors</i> Threads: <i>Artificial Intelligence & Information Internetworks</i> Georgia Institute of Technology, <i>Atlanta, GA</i> Study Abroad, <i>Barcelona, Spain</i>	Fall 2013 - Spring 2017 Summer 2014
WORK EXPERIENCE	MongoDB <i>Software Engineering Intern</i> <ul style="list-style-type: none">Designed a proof-of-concept for wire protocol compression, increasing data transfer speeds up to 500% between servers.Integrated exotic network transports for use in high-performance computing applications. BazaarVoice <i>Software Engineering Intern</i> <ul style="list-style-type: none">Implemented a query engine that uses PrestoDB to query terabytes of data in the Parquet file format. This involved transforming and analyzing data using Spark and Hadoop.Developed an open-source a Gradle plugin, to publish files to a Yum repo stored in S3. Urjanet <i>Software Engineering Intern</i> <ul style="list-style-type: none">Developed software to test automated data extraction from energy utility bills. Institute for Computing Education <i>Student Assistant</i> <ul style="list-style-type: none">Led and assisted workshops on LEGO NXT, Alice, Scratch, and robotics for elementary through high school students.	New York, NY Summer 2016 Austin, TX Summer 2015 Atlanta, GA Spring 2015 Georgia Tech Spring 2013 - Fall 2014
ACTIVITIES & LEADERSHIP	Prox-1 Satellite Mission <i>Flight Software Lead</i> <ul style="list-style-type: none">Manage a team of undergraduates to develop the Flight Software for a proximity operations nanosatellite mission, scheduled for launch March 2017 on-board Space-X STP-2.Develop software in C that manages flight operations, which involves telemetry collection, system controls, and ground communication Epic Intentions, <i>President</i> <ul style="list-style-type: none">Led a student organization that partners students with non-profits in Atlanta to solve technical, service-oriented design projects.Increased member attendance, membership retention, team accountability, and non-profit satisfaction with student's projects. <i>Member</i> <ul style="list-style-type: none">Worked with the non-profit Urban Perform to find a geographic relationship between food deserts and "fitness deserts" in Atlanta. Delta Chi Fraternity, <i>Officer, "C"</i> <ul style="list-style-type: none">Serve as the third-highest ranked officer, Secretary. Responsible for all record keeping, documentation, and communication with national headquarters.	Georgia Tech Spring 2014 - Current Georgia Tech Fall 2015 - Spring 2016 Fall 2014 - Spring 2014 Spring 2016 - Current
PROJECTS	QueueUp (<i>Android, Node.js, MongoDB</i>): https://queueup.io <ul style="list-style-type: none">A collaborative playlist streaming service. Anybody can create a playlist, use Spotify to stream from QueueUp, and contribute to nearby playlists in real-time.Published Android application on the Google Play store Oahu (<i>Node.js, MongoDB</i>) <ul style="list-style-type: none">Distributed computing system that allows developers to solve problems using the idle time of web browsersAwarded "Top 10", "Best Web Hack", and "Best Use of MongoDB" (CalHacks Fall 2014)	
SKILLS	<i>Languages</i> Java, C, JavaScript, Python, HTML/CSS, Ruby, PHP, MySQL <i>Platforms & Frameworks</i> Node.js, Android, Linux, MongoDB, Rails, jQuery, Spark <i>Relevant Coursework</i> Machine Learning, Algorithms & Design, Systems & Networks, Data Structures & Algorithms, Computer Organization & Programming <i>Foreign Languages</i> Spanish (intermediate)	