Louis A. Williams

1961 Continental Dr. Atlanta, GA 30345

404-276-7680
louis.williams@gatech.edu
louiswilliams.org
github.com/louiswilliams

OBJECTIVE	To obtain a software engineering internship related to distributed systems, full-stack web development, or artificial intelligence.
EDUCATION	B.S., *Computer Science, Honors Program* Georgia Institute of Technology, *Atlanta, GA* — Fall 2013 - Spring 2017 Study Abroad, *Barcelona, Spain* — Summer 2014 Current GPA: 3.84

WORK EXPERIENCE

Prox-1 Satellite Mission — Georgia Tech
Flight Software Lead — Spring 2014 - Current
- Manage a team of undergraduates to develop the Flight Software for a proximity operations nanosatellite mission, scheduled for launch March 2016 on-board Space-X STP-2.
- Develop software in C that manages flight operations, which involves telemetry collection, system controls, and ground communication

BazaarVoice — Austin, TX
Software Engineering Intern — Summer 2015
- 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 and open-sourced a Gradle plugin, *s3repo-gradle-plugin* to publish files to a Yum repo stored in Amazon S3.

Urjanet — Atlanta, GA
Software Engineering Intern — Spring 2015
- Developed software to test automated data extraction from energy utility bills.

Institute for Computing Education — Georgia Tech
Student Assistant — Spring 2013 - Fall 2014
- Led and assisted workshops on LEGO NXT, Alice, Scratch, and robotics for elementary through high school students.

ACTIVITIES & LEADERSHIP

Epic Intentions, *President* — Fall 2015 - Spring 2016
- 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.

Member — Fall 2014 - Spring 2014
- Worked with the non-profit Urban Perform to find a geographic relationship between food deserts and "fitness deserts" in Atlanta.

HackGT, *Organizer* — Spring 2016 - Current
- Book event space and plan the opening and closing ceremonies for over 800 students.
- Create an assessment platform to automatically accept participants for Georgia Tech's annual hackathon.

Delta Chi Fraternity, *Officer, "C"* — Spring 2016 - Current
- Serve as the third-highest ranked officer, Secretary. Responsible for all record keeping, documentation, and communication with national headquarters.

PROJECTS

QueueUp (*Android, Node.js, MongoDB*): *https://queueup.io*
- 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 (*Node.js, MongoDB*)
- Distributed computing system that allows developers to solve problems using the idle time of web browsers
- Awarded "Top 10", "Best Web Hack", and "Best Use of MongoDB" (CalHacks Fall 2014)

SKILLS

Languages	Java, C, JavaScript, Python, HTML/CSS, Ruby, PHP, MySQL
Platforms & Frameworks	Node.js, Android, Linux, MongoDB, Rails, jQuery, Spark
Relevant Coursework	Machine Learning, Algorithms & Design, Systems & Networks, Data Structures & Algorithms, Computer Organization & Programming
Foreign Languages	Spanish (intermediate)