Louis A. Williams

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OBJECTIVE

To obtain an computer science internship relevant 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: 3.91

WORK EXPERIENCE

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.

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
- Develop software in C that manages flight operations, involving telemetry collection, system controls, and ground communication

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
- Lead and assisted workshops on LEGO NXT, Alice, Scratch, and robotics for elementary through high school students.

ACTIVITIES & LEADERSHIP

Epic Intentions, *President*   Fall 2015 - Current
- Lead a student organization that partners with non-profits in Atlanta to solve technical service-oriented design projects.

Epic Intentions, *Member*   Fall 2014 - Spring 2015
- Worked with the non-profit Urban Perform to find a geographic relationship between food deserts and "fitness deserts" in Atlanta.

Library Advisory Board, *Member*   Spring 2015 - Current
- Co-authored a white paper proposing how to recreate the experience of browsing through book stacks via a website platform, for when the library moves all books off-campus.

PROJECTS

QueueUp: *queueup.io* (*Node.js, MongoDB, Android*)
- A collaborative playlist streaming service. Anybody can create a playlist, use Spotify to stream from QueueUp, and invite friends to contribute in real time.
- Released 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
- CalHacks Fall 2014: Top 10, Best Web Hack, and Best use of MongoDB

More on Github: *github.com/louiswilliams*

SKILLS

Languages: *Java, JavaScript, C, HTML5, CSS3, Ruby, PHP, MySQL*
Platforms & Frameworks: *Node.js, Android, Linux, Rails, jQuery, Cassandra, Spark, Hadoop*

Relevant Coursework: *Machine Learning, Algorithms & Design, Systems and Networks, Objects and Design, Data Structures & Algorithms, Computer Organization & Programming*

Foreign Languages: *Spanish (intermediate)*