# James A. Harris

203 Serendipity Way • Dallas, Georgia 30157 • (609)802-7512 • jamesharris456@gatech.edu

**OBJECTIVE**

To obtain a full or part time summer internship for the Summer of 2016.

**EDUCATION**

**Georgia Institute of Technology Atlanta, Georgia**

- Bachelor of Science in Computer Science (Expected Graduation 2019).*August 2015 – Present*

*-* First Semester GPA of 4.0.

**Robbinsville Highschool Robbinsville, NJ**

- GPA of 4.525 on 5.0 Weighted Scale.*September 2010 - June 2015*

- Achieved Certificate for Harvard University's online CS50x course during senior year.

**SKILLS**

**Concepts:** Linux, LAMP/LEMP stack setups, basic application and web security, basic cryptography, object oriented programming, searching and sorting algorithms and efficiencies.

**Programming, Scripting, and Markup Languages:** C, C++, Java, LabView, JavaScript, Python, PHP, HTML, CSS**.**

**Spoken Languages:** English (Native), Italian (Basic)**.**

**Applications:** Microsoft Word, Excel, Powerpoint, Visual Studio, Eclipse, VIM**.**

**Operating Systems:** Windows, Linux**.**

**Experience**

**Mercer County Library** *August 2014*

*-* Volunteered at local library over the summer, helping children in the summer reading program.

- Signed children into the program, gave out prizes, checked reading logs, and helped with some office work.

**CS1331: Introduction to Object Oriented Programming Undergraduate Teaching Advisor** January *2016 - Present*

*-* Currently working as an undergraduate TA at the Georgia Institute of Technology.

- Leads a recitation once per week with another TA, and helps to grade assignments and answer student questions.

**PROJECTS**

**Password Protected Internet Radio Server**

- Created a private internet radio server for friends to listen to music on, hosted on a Digital Ocean VPS.

- Gained first-hand experience with web security including obtaining SSL certificates.

- Implemented the PHP, JavaScript, HTML5, and CSS programming/markup languages.

- [https://www.yoloswagg.in](https://www.yoloswagg.in/)

**JavaScript IRC Bots**

- Used JavaScript and several APIs, including the Yo API, to create a modular IRC bot.

- Includes functionality ranging from math, to user profiles, to basic encryption.

- DL-IRC uses youtube-dl to download videos off YouTube and has an updated configuration structure.

- <https://github.com/JH456/Pann-IRC> https://github.com/JH456/DL-IRC

**C++ Text-based Blackjack**

- Programmed Blackjack in C++ with entertaining ASCII graphics.

- Gained experience with C++ concepts such as pointers and linked-list usage.

- https://github.com/JH456/Text-Based-Blackjack

**ACTIVITIES or LEADERSHIP**

**FIRST Robotics Competition** *September 2012 - June 2015*

- Programmed the competition robots in the LabView language from 2013 – 2015.

- Became leader of the software team for the 2015 competition.

- Trained underclassmen in programming and handled most robot software.

- Won three district/regional competitions and advanced to the World Championships in 2015 season alone.

- Acquired public speaking skills by presenting robot demonstrations and attending fundraisers and trade shows.

- [http://frc2590.org](http://frc2590.org/)