**Campus Address:**

792 Techwood Dr. NW

Atlanta, GA, 30332

**Emanuel Solis**

(706)-580-6499 [esolis8@gatech.edu](mailto:esolis8@gatech.edu) <https://emanuel-sol.github.io/resume/>

U.S. Citizen

**Permanent Address:**

1090 Plantation Creek Rd

Fortson, GA, 31808

***Objective:*** *Third-year Computer Science major at the Georgia Institute of Technology seeking to leverage my technical experience to benefit your company.*

**GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing Atlanta, Georgia Bachelor of Science in Computer Science** *June 2016 - December 2020 (Expected)*

**GPA: 3.5**

**Coursework & Projects**

**MyEasyDirectory LLC Atlanta, Georgia**

*WordPress Developer March 2019-Present*

* Assists with the development of a WordPress website designed to provide parent teacher organizations, non-profits and similar organizations with an easy to use directory
* Responsible for transitioning the site from relying on outsourced plugins to custom in house plugins
* Documents all changes, progress, and notable errors to report back to my supervisor during weekly meetings

**Lysande Atlanta, Georgia** *Co-Founder August 2018-Present*

* Identified a market gap in the field of professional photography by interviewing and surveying roughly 200 amateur and professional photographers
* Created a smartphone attachment concept that functions as an evolving camera system through several iterations of user focused design testing
* Designed a fully functional prototype that integrates OpenCV, Raspberry Pi, and Mosquitto MQTT Broker to capture high resolution images using an array of 4 cameras

**Georgia Institute of Technology Atlanta, Georgia**

*Data Structures and Algorithms August 2018-December 2018*

* Gained an understanding of fundamental data structures and algorithms in the context of object-oriented programming
* Examined how these data structures and algorithms are constituted, when to use them, how to code them and their algorithm complexity
* Wrote, tested, and debugged moderate size (500-1000 lines of code) programs that implemented the aforementioned concepts

**Georgia Tech Research Institute Atlanta, Georgia**

*Student Research Assistant May 2018-July 2018*

* Modified the firmware to a Pixhawk microcontroller to take sensor data from a PSoC development board that sends custom commands over serial communication protocol.
* Supported the development of a LiDAR-based counter UAS system.
* Successfully tested both custom firmware and RC compatibility within hardware-in-the-loop simulation.
* Edited QGroundControl software to enable RC compatibility with a custom flight mode
* Documented experiences for future employees.

**Skills**

**Software:** Java (proficient), Python (advanced), HTML/CSS (advanced), Git (basic), PHP (basic), C (basic)