GitHub Link: <https://github.com/gabrielwry>

**Full Stack Software Developer** focusing on object-oriented web app designing, developing and delivering;

**Data Analyst** with strong datamining and analysis skills aiming to become an **AI Implement Engineer**;

**Enthusiastic Problem Solver** with excellent bug spotting and troubleshooting skills;

**Self-Motivated Learner** desiring for cutting-edge technology and self-initiated projects;

**Education and Honor**

* Current Undergraduate Student of Computer Science B.S. and Engineering Physics at Emory University;
* 3-years of Merit and Honor Student, Major GPA 3.8;

**Related Courses**

Database System Data Structure and Algorithm Data Mining Artificial Intelligence

Computer Architecture Numerical Analysis Quantitative Method Engineering Design

**Skill Set**

Java, Python, SQL, MySQL, MySQL Server, HTML, CSS5, MATLAB, Arduino (2-year+ experience, excellent); Django Framework, Weka, JavaScript, Assembly and C, R, Google Web Toolkit (1-year experience, fluent);

Ruby-on-Rail, PHP, AngularJS, AWS, Apache, REST, SOAP (Familiar)

**Professional Experiences**

## Software Developer Intern at ConfirMed, Atlanta, GA 2017.06-2017.08

*Actively involved in both tech and business part of the phase one launch of a promising medical data company.*

* Work with two senior developers to develop a web app using python Django framework from scratch to full deployment;
* Meet with project managers daily to discuss and analyze new customizations and solutions based on requirements.
* Design and implement automatic testing script and web page scrapping to facilitate database management.

**Teaching Assistant of Database System at Emory University, Atlanta, GA 2017.08-Present**

*Assist professor with grading and class system management.*

* Grade programming and writing assignment, and exams of 60+ students class;
* Hold TA session to help students understand class material and help professor to organize teaching style and progress based on students’ feedback on teaching

**Projects:**

E-commerce website with **Ruby-on-rail**; Medical Data Visualization with **Google map API**; **JDBC** program to access school database supporting **SQL query; PHP-based** web SQL; Analysis and prediction of Kaggle European Soccer Dataset with **various datamining skills;** **Python script** controlling Spectrometer via **Arduino**; Electronic circuit to study **Lorentz Attractor;**

**School Experience:**

## Nano-optics Research at Physics Department of Emory University 2016.04.01-Present

* Design and fabricate nanoscale structure; perform advanced Nano-optic experiment to study Surface Plasma Excitation; apply efficient uni-directional Surface Plasma Excitation to Holography study.

## Honor Council of Emory College 2016.03.01-Present

* Investigate potential violation of Emory Honor Code; attend hearing and deliberate for verdict and sanction.

## Fitness Attendant 2016.05.01-Present

* Oversee the use of Woodruff PE Center of Emory University; administrate 1000+ Play Emory student system; organize and promote weekly health challenge.

**Mathematic Contest of Modeling 2016.01.09-2016.01.13**

* Led a group and competed in two-day long MCM 2016 contest; designed model to optimize orbital debris problem;

**HackATL 2016 2016.10.30-2016.11.02**

Built ecommerce website with ruby-on-rail; proposed and provided platform for Emory based textbooks exchange;