

366 Spring Valley Road  
Paramus NJ 07652  
(201) 674-4885

# GREG FUERTE

gregorio.fuerte@gmail.com  
gfuerte.github.io  
github.com/gfuerte  
linkedin.com/in/gfuerte

## EDUCATION

---

**New Brunswick, NJ** **Rutgers University** **Expected May 2021**

- B.S. in Computer Science, Expected May 2021. GPA: 3.74.
- Current Coursework: Systems Programming, Discrete Structures II, Information & Databases, Linear Algebra
- Undergraduate Coursework: Data Structures & Algorithms, Computer Architecture, Discrete Structures I, Intro to Computer Science, Intro to Computers and Applications, Physics I & II, Calculus I & II

## EMPLOYMENT

---

**Learning Assistant** **Rutgers University** **September 2019 – present**

- Lead recitation classrooms for the introductory computer science course at Rutgers University – New Brunswick.
- Teach the programming language of Java to multiple classrooms of 18-20 undergraduate students.
- Reinforce knowledge on different concepts such as object-oriented programming, recursion, big O, sorting, loops, etc.
- Plan recitations and develop lesson plans as well as communicate with course professors and department staff.

**Physics Lab Assistant** **Rutgers University** **January 2020 – present**

- Operate multiple Rutgers Physics 205 Labs complimenting Rutgers' Physics I course comprising of students with different majors and backgrounds.
- Maintain and fix lab equipment, applications, and computer hardware to ensure consistent technological performance.
- Supervise students performing labs and aiding in understanding difficult concepts whilst adhering to lab safety protocols.

**Calculus Study Group Leader** **Rutgers University** **September– December 2019**

- Managed a study group containing 18 undergraduate students, providing assistance for any difficulties and questions with the Rutgers calculus 1 course material.
- Stayed in close communication with the lead mathematics academic coach, creating lesson plans and developing essential study techniques for students to use.

**Lead Tutor** **Rutgers Plangere Writing Center** **September 2018 - May 2019**

- Guided undergraduate students to facilitate their writing process and strengthen their higher order thinking skills in the highly accredited Rutgers Writing Program.
- Assisted other tutors in times of difficulty with students, and lead tutors to become self-sufficient.

## TECHNICAL EXPERIENCE

---

### Projects

- **Hexadoku** (2019). Solved a 16x16 sudoku puzzle containing hexadecimal numbers between from 0 to F using a backtracking algorithm that guesses a random number on an empty cell and recurses back if the guess is wrong. C
- **DOM Tree** (2019). Altered the Document Object Models of HTML documents to add, remove, bold, and replace tags within the document based on the user input as well as representing the DOM as a tree. Java, HTML
- **One-Shot Learning** (2019). Implemented a machine learning algorithm to predict house prices based on given historical data. C
- **Expression Evaluator** (2019). Evaluated math expressions from ranging difficulties, using stacks to correctly solve problems via the order of operations. Java

## LANGUAGES AND TECHNOLOGIES

---

Languages: Java; C; Python; JavaScript

Technologies: Git, CSS, HTML, Bootstrap, MySQL, JSP, AWS, Linux OS, Eclipse, Vim, Atom, Microsoft Office Suite, Adobe Premiere Pro, Adobe Photoshop