

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 |
|--|--------------------|-------------------|
| <ul style="list-style-type: none">B.S. in Computer Science, Expected May 2021. GPA: 3.74.Current Coursework: Systems Programming, Discrete Structures II, Information & Databases, Linear AlgebraUndergraduate 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 |
|---|---------------------------------|---------------------------|
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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

- Railway Booking System** (2020) – *JavaScript, Java, HTML/CSS, MySQL, AWS*
Designed and implemented a relational database system to support the operations of an online railway booking system.
- Wallet Simulator** (2020) – *Java*
Simulated a wallet/budget spreadsheet, allowing users to create a spreadsheet from scratch or upload their own via txt file and provides a set of functions for users to input new data as well as different printing and sorting options.
- Personal Website** (2020) – *JavaScript, HTML/CSS, Bootstrap*
Developed a fully responsive and mobile-friendly website detailing my own traits and highlighting personal projects.
- Hexadoku** (2019) – *C*
Created a program that solves 16x16 sudoku puzzles 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.
- DOM Tree** (2019) – *Java, HTML*
Developed a program that alters 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.

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