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GREG FUERTE

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EDUCATION

New Brunswick, NJ	Rutgers University	Expected May 2021

- B.S. in Computer Science, Expected May 2021. GPA: 3.73.
- Current Coursework: Software Engineering, Data Science, Internet Technology
- Undergraduate Coursework: Data Structures, Information & Databases, Systems Programming, Computer Architecture, Software Methodology, Computational Algorithms, Principles of Programming Languages

Projects

- **Chess Android Application** (2020) – *Java, Android Studio*
  Developed an Android Application to implement the game of Chess for two players with functionalities to support all the rules of the game as well as including features for recording games and game playback.
- **Moviefy** (2020) – *Java, JavaFX, FXML, Scene Builder*
  Created a single-user movie cataloging desktop application providing users with features such as rating and listing movies in default or custom-made libraries, and browsing movies to view various movie details.
- **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 allowing users to browse database contents and query for available train schedules for a given date and time.
- **COVID-19 Tracker** (2020) – *Java Spring Boot, Thymeleaf, Bootstrap*
  Displays U.S. coronavirus (COVID-19) data and statistics fetched from Johns Hopkins University's CSSE including total confirmed cases, active cases, and daily increase.
- **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.

EMPLOYMENT

Teaching Assistant	Rutgers University	September 2019 – September 2020

- 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.
- Communicate with course professor and department staff to plan recitations and develop lesson plans.

Physics Lab Assistant	Rutgers University	January 2020 – May 2020

- Operate multiple Rutgers Physics 205 Labs complimenting Rutgers' Physics I course comprising of students with different majors and backgrounds.
- Maintain and fix lab equipment and computer hardware to ensure consistent technological performance.
- Supervise students performing labs and aiding in understanding difficult concepts while adhering to lab 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 while assisting other tutors in times of difficulty.
- Provided assistance to other tutors in times of difficulty with students and lead tutors to become self-sufficient.

SKILLS

Languages: C, Java, JavaScript/HTML/CSS, Python, OCaml, Scheme, SQL
Technologies: Git, Spring Boot, JavaFX, Android Studio, Bootstrap, jQuery, MySQL, JSP, AWS, Windows/Linux OS