

## PROFESSIONAL EXPERIENCE

|   |                           |                                  |
|---|---------------------------|----------------------------------|
| <b>Software Development Engineer</b>  | <b>Amazon</b>             | <b>August 2021 – Present</b>     |
| <ul style="list-style-type: none"><li>• Collaborate with experienced cross-disciplinary Amazonians to design and bring products and services to market.</li><li>• Design innovative technologies in a large, distributed environment to help lead fundamental changes in the industry.</li><li>• Deliver high-quality software in an agile environment and code solutions starting with broadly defined problems.</li></ul>   |                           |                                  |
| <b>Teaching Assistant</b>   | <b>Rutgers University</b> | <b>September 2019 – May 2021</b> |
| <ul style="list-style-type: none"><li>• Lead recitation classrooms for the introductory computer science course at Rutgers University – New Brunswick.</li><li>• Taught the programming language of Java to multiple classrooms of 18-20 undergraduate students.</li><li>• Reinforced knowledge on various concepts such as object-oriented programming, recursion, big O, sorting, loops, etc.</li><li>• Communicated with course professor and department staff to plan recitations and develop lesson plans.</li></ul> |                           |                                  |
| <b>Physics Lab Assistant</b>  | <b>Rutgers University</b> | <b>January 2020 – May 2020</b>   |
| <ul style="list-style-type: none"><li>• Operated multiple Rutgers Physics 205 Labs complimenting Rutgers' Physics I course comprising of students with different majors and backgrounds.</li><li>• Maintained and fixed lab equipment and computer hardware to ensure consistent technological performance.</li><li>• Supervised students performing labs and aided in understanding difficult concepts while adhering to lab protocols.</li></ul>  |                           |                                  |
| <b>Calculus Study Group Leader</b>  | <b>Rutgers University</b> | <b>September – December 2019</b> |
| <ul style="list-style-type: none"><li>• Managed a study group containing 18 undergraduate students, providing assistance for any difficulties and questions with the Rutgers calculus 1 course material.</li><li>• Stayed in close communication with the lead mathematics academic coach, creating lesson plans and developing essential study techniques for students to use.</li></ul>   |                           |                                  |

## TECHNICAL PROJECTS

- **COVID-19 Data & Health Tracker** (2021) – *JavaScript, React.js, Node.js, Express.js, MySQL*  
Designed and developed a full-stack web application in an agile environment providing users dealing with COVID-19 services such as displaying virus related data & news, locating testing & vaccination sites, and tracking symptoms.
- **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.
- **'Where's the File' Version Control System** (2020) – *C*  
Developed a GitHub-like version control system using C sockets and threads to enable multiple users to work on a single set of source code even in physically separate locations by ensuring all users are working on the same version.
- **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.

## EDUCATION

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|--|--------------------------|----------------------------------|
| <b>Rutgers University</b>  | <b>New Brunswick, NJ</b> | <b>September 2017 – May 2021</b> |
| <ul style="list-style-type: none"><li>• B.S. in Computer Science, <i>magna cum laude</i> (GPA: 3.7/4.0)</li><li>• Undergraduate Coursework: Software Engineering, Data Structures, Computational Algorithms, Programming Languages, Databases &amp; Information, Systems Programming, Computer Architecture, Internet Technology</li></ul> |                          |                                  |

## SKILLS

- **Languages** – C, Java, JavaScript, HTML/CSS, Python, OCaml, Scheme, SQL
- **Technologies** – Agile Methodologies, Android Studio, AWS, Bootstrap, Express.js, Git, JavaFX, Java Server Pages, Java Spring Boot, JIRA, jQuery, MySQL, Node.js, React.js, Windows/Linux OS