

# SAI MADURI

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## EDUCATION

- 
- Rutgers University • New Brunswick, NJ** September 2020 – May 2024  
*School of Arts and Sciences* GPA: 4.0/4.0  
• Bachelor of Science in **Computer Science** • Honors Program
- South Brunswick High School • South Brunswick, NJ** September 2016 – June 2020  
• High School Diploma • Robotics President • High Honor Roll GPA: 4.4/4.0

## WORK EXPERIENCE

- 
- Software Engineering Intern** – Bloomberg LP May 2021 – Present  
New York, NY
- Developed a user-friendly system end-to-end that is used to conduct Locust tests for any Bloomberg Application Service
  - Provided metrics for the different services' performance over time to identify inefficient code, improve system scalability, and minimize the risk of service downtime
- Software Engineering Intern** – Bloomberg LP June 2020 – September 2020  
Princeton, NJ
- Created a Python library to optimize interactions with internal and external ticketing systems
  - Used various APIs, databases, and services to retrieve and update information
- Software Development/Data Science Intern** – Leverton June 2019 – August 2019  
New York, NY
- Designed a tool utilizing decision tree regressors & ensemble learning to predict the reviewing time of various documents supported by the Leverton Platform

## PROJECTS

- 
- ChanceMe** – Python, HTML/CSS/JavaScript April 2020
- Created a web application that predicts a student's chances on being accepted to a university's undergraduate program based on academic achievements using various machine learning models
- TiltPong** – Java, HTML/CSS/JavaScript, NodeJS April 2019
- Developed an android application to play a multiplayer game of Pong in which phones act as controllers
  - The app retrieves sensor data from the phone and transmits it to a web browser that is hosting the game
- RendezVous** – Java, Firebase, Various APIs October 2017
- Built an android application that takes the location of two phones and suggests neutral meeting points between the two users

## TECHNICAL SKILLS

- 
- Programming languages: Java, Python, Web (HTML/CSS/JavaScript/Typescript), C
  - Software: G Suite, Git, Android Studio, Unity, Firebase
  - Non-Technical: Adaptability, Teamwork, Leadership, Organizing Events/Fundraising

## HIGHLIGHTED COURSEWORK

- 
- **Computer Science:** Data Structures, Computer Architecture, Mobile App Development, Virtual Reality & Game Design, Independent Study in Artificial Intelligence
  - **Mathematics:** Discrete Math I, Discrete Math II, Linear Algebra, Multivariable Calculus

## EXTRA CURRICULAR ACTIVITIES

- 
- Competed at the international level in the VEX Robotics Competition
  - Assisted and supervised the engineering process, robot design, and documentation of six VEX Robotics Competition teams
  - Actively sought out sponsors and organized fundraisers to raise money to cover costs of electronics, metal, competitions, and transportation
  - Organized events to educate and promote interest in STEM for children across multiple towns