Param Thakker

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EDUCATION

Rutgers University, Honors College School of Arts and Sciences
September 2017 – May 2021

Bachelor of Science (B.S.) in Computer Science, Minor in Mathematics
New Brunswick, NJ

- **GPA:** 3.94 / 4.00
- **Awards & Honors:** James Dickson Carr Scholarship(offered to <2% of international students), Dean's List (all semesters)
- **Coursework:** Data Structures, Computer Architecture, Design and Analysis of Algorithms, Systems Programming, Introduction to Artificial Intelligence, Differential Equations, Multivariable Calculus, Discrete Math

EXPERIENCE

Sparta Systems
June 2019 – August 2019

Software Engineering Intern
Hamilton, NJ

- Worked in a Continuous Integration Agile environment with teams to focus on development projects to be implemented into the codebase
- Completed 5 user stories related to UI / UX of Lightning Components in Salesforce using HTML,CSS and JavaScript within 2 weeks of start date
- Tested company's code by writing unit tests for various classes in Apex/Java, increased code coverage, and supported previously untested code
- Succeeded in closing gaps for a company-utilized data deployment tool and accelerated its implementation for the automation of user data

Rutgers University (DIMACS)
September 2018 – March 2019

*Research Assistant (*Advisor: Lazaros Gallos)
New Brunswick, NJ

- Modelled complex systems and understood the pros and cons of interconnectivity with the help of network science
- Studied the characteristics of complex systems, learned their scientific and societal impact and then programmed these systems in Java

Rutgers Learning Center
January 2019- June 2019

Tutor
New Brunswick, NJ

- Tutor for Calc I, Calc II, Linear Algebra, Intro to Computer Science, Data Structures and Physics in Rutgers University

PERSONAL PROJECTS

Engineers' Unit Converter

- Created a website using HTML, CSS, JavaScript and Google fonts API to implement an efficient converter to aid engineers in unit conversions

Color-Detector

- Developed a Python program which uses Deep Learning to detect different colors in an image input by the user
- Used a dataset which helps in identifying the color based on the calculated shortest distance from a color using OpenCV and Pandas library

SecretMessage App

- Built an Android application using Java which uses AES encryption to encrypt a given message and store that in the database for the receiver
- Receiver can decrypt the message using the password stored in MySQL database on phpMyAdmin to get the original message

PriceTracker

- Developed a Python script which tracks a list of saved items on Amazon and notifies via email/text if an item is within the user's budget
- Used BeautifulSoup and Selenium libraries for web-scraping the Amazon website and retrieve relevant information

LEADERSHIP

Rutgers University School of Engineering
September 2018 – Present

First-Year Student Mentor
New Brunswick, NJ

- Mentored incoming freshmen and provided mentees with valuable insight and advice on their college experience
- Arranged meetings with first-year students to foster a sense of community among the students
- Attended professional development and leadership workshops and also assisted students to register for their classes

SKILLS

Proficient in: Java, Python, C, HTML/CSS, PHP
Some experience with: Django, React, JavaScript, MySQL, UNIX, Atlassian