

Home Address:
20 Scotto Place
Dayton, NJ 08810
732-329-3808

Kirollos Basta
knb93@scarletmail.rutgers.edu
<https://kironb.github.io>
732-822-2031

School Address:
4482 LPO WAY
New Brunswick, NJ
08901

Education

Rutgers University, New Jersey
Concentration: **Bachelor of Science in Computer Science**
Current GPA: 3.974

Expected to graduate May 2021

Skills

Proficient in Java, Python, C, C++, Eclipse, VIM, Mongo DB Atlas and Microsoft Office.

Relevant Courses

- Systems Programming
- Data Structures
- Introduction to Discrete Structures 1 and 2
- Computer Architecture
- Scientific and Technical Writing
- Electronics and Robotics

Experience

Computer Science Intern

Shell Oil Technology Center, Houston Texas

May 2019 – August 2019

- Working on modernizing STIM2001, a matrix acidification program first made in 2001 with an array of languages such as Fortran, C, C++ and C#.
- Currently adjusting the “Data Layer” of the project with my line manager from one that stores the information in a serialized form to one that stores it in a database.
- Advancing towards the goal of modernizing the application to a more modern GUI by moving away from the current MFC GUI to a different one.

Side Projects

Subreddit Scanner

May 2019 - Present

- Developed a reddit bot to scan through various subreddits and save items a user finds valuable to their reddit account, along with adjusting their reddit account to mimic a certain set of subreddits.
- Users connect their account via a configure file and the bot uses Python and the praw API to go through reddit. Developing a display to the user using PyQt’s library.
- Available along with my other side projects on my website, <https://kironb.github.io>

“Bird bot”

2017-2018

- Created a program to recognize and send messages to discord (a chat service) in real-time using Java, objects and the JDA library.
- Recognizes users via a specifically generated “user ID”, stored information about users’ actions.
- Expanded to separate bots, “PotterQuest” and “RutgersBot” which utilized different libraries

Leadership

USACS (Undergraduate Student Alliance of Computer Scientists) Alumni Chair

2018-Present

- Organized alumni involvement in school’s main computer science club USACS via emails and newsletters. Facilitated an alumni mentorship program and self-mentored students as an aside from alumni mentorship program.

HackRU Organizer

2018-Present

- Aided in the development of a program named “sledge” to aid in judging process at Rutgers hackathon, HackRU. Managed volunteers and helped with the general facilitation of event by providing general guidance to hackers.

Awards/Recognitions

Rutgers SAS (School of Arts and Sciences) Excellence Scholarship
Member of Rutgers Honors Program
Recognized on Dean’s List

Spring 2019
2018-Present
2017-2019