

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:
44 Riverview Ave
Piscataway, NJ
08854

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++, C, Mongo DB Atlas, Git, Azure DevOps, Eclipse, VIM and Visual Studio.

Relevant Courses

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

Experience

Software Engineer Intern

Shell Technology Center, Houston Texas

May 2019-August 2019

- Upgraded STIM2001, a desktop-based matrix acidification program made with an array of languages such as Fortran, C, C++, and C# to a new version with new empirical models to be used company-wide.
- In a team of five, fixed over 10 user interface issues and provided the foundation for future versioning of the program by moving data storage from serialized STIM files to XML files.
- Added and tested username and password security using OPC UA to GWAP (Gas Well Analysis Program) a web-based program designed to monitor alarms on production sites, made with Node.js, C#, and C++.

Side Projects

Subreddit Scanner

May 2019-Present

- In a team of two, developed a Reddit bot to scan through various subreddits and save items a user finds valuable to their Reddit account, along with giving them capabilities to copy multi-reddits over easier.
- Created using Python, the PRAW API, and PyQt5. Users connect their account via a configure file and have the option of running it on the terminal or through a display created from PyQt5.
- Available along with my other side projects on my website, <https://kironb.github.io>.

Potterquest

2017-Present

- Created a program to recognize and send messages to Discord (a chat service) in real-time using Python, the Discord.py library and MongoDB Atlas' cloud database for storage.
- Users can generate their own specific profiles, join Pottermore houses and buy pets.
- Used separate API's to create other Discord bots in Python and Java, most notably made a Rutgers bot that gave information about bus times which is in use in a computer science server with 100+ users.

Leadership

HackRU Organizer

2018-Present

- Organized 24-hour hackathon, HackRU as a part of the research and development team. Developing "Mentorq", a program to help hackers find mentors during the day of the hackathon. Uses React as a front end and Django as a back end.

USACS (Undergraduate Student Alliance of Computer Scientists) Alumni Chair

2018-2019

- Organized alumni involvement in school's main computer science club USACS via emails and newsletters. Mentored undergraduate Computer Science students and facilitated an alumni mentorship program.

Awards/Recognitions

Rutgers School of Arts and Sciences Excellence Scholarship
Member of Rutgers Honors Program
Recognized on Dean's List

Spring 2019
2018-Present
2017-2019