Sam Minkin

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SUMMARY

I am a student in the Rutgers Engineering Honors Program who plans to triple major in electrical engineering, computer science, and mathematics. I have a strong, academic interest in machine learning, robotics, 3d printing, and software engineering. I have a wide range of interests and believe my interdisciplinary understanding in STEM can contribute significantly to a team.

EDUCATION

Rutgers-New Brunswick School of Engineering Honors Academy   Expected Graduation May 2021
- GPA: 4.0, Class Rank: 1/884
- Android Development I at County College of Morris online course
- Relevant Coursework: Linear Algebra, Introduction to Computers for Engineers,
  Data Structures, Differential Equations, Statistics

WORK EXPERIENCE

Ceramic, Composite, and Optical Materials Center   January-May 2018
- Research assistant studying 3d printing software for ceramics development

PROJECTS

Autonomous Picture Merging Drone
- A project with the AIAA organization at Rutgers in which a drone was programmed to take pictures, extract data from those pictures, and send data to a database. That data were then edited and the best picture was chosen. The back-end work was done using a Django application.

Web Scraping Bot
- Using Python's BeautifulSoup library, a program was created that parses through the html of a webpage to obtain certain data. That data were then used to make a statistical analysis through the works of Numpy.

PennApps January 2018: GroupMe Bot
- Using the GroupMe API, a bot looked through messages sent by other users in order to detect key words that would trigger responses. Used Heroku for back-end work and python for writing the bot.

ORGANIZATIONS/ACTIVITIES

Rutgers Chemistry Society, *Historian*   September 2017-Present
-In charge of taking pictures, and contributing to club ideas
Rutgers Chapter of American Institute of Aeronautics and Astronautics, AIAA: *Software Team*   September 2017-Present
-Work on Image, Data Processing and Optical Character Recognition with a focus in Android SDK

SKILLS

-*Highly Proficient*: Java, Python; *Proficient*: C, HTML, CSS, JavaScript, MATLAB
-*Back End:* Django/Python Framework, Flask/Python Framework
-*Front End:* ReactJS, React-Native
-Linux System, Test Driven Development, Unit Testing
-Microsoft Office: Excel, Word, Powerpoint
-Fluency in Russian; Intermediate French

AWARDS/CERTIFICATIONS

-School of Engineering Dean's List
-AP Scholar with Distinction
-Math and Science National Honor Society

SUMMER ACTIVITIES

Randolph Library, Volunteer/ Leadership   June-August 2016
-Encouraged kids to read by joining programs