

# RUAN JUDE ANGELO JAMOLOD

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## EDUCATION

### Rutgers University, Honors College: School of Arts & Sciences

New Brunswick, NJ

B.S. in Computer Science and B.S. in Cognitive Science

Expected May 2023

- GPA: 3.875
- Awards: Honors College, 2nd Place HC Forum (Social Entrepreneurship Research Project), Deans List (Fall 2019 - Spring 2022)

## RELEVANT COURSEWORK

- |                         |                       |                           |                       |
|-------------------------|-----------------------|---------------------------|-----------------------|
| • Algorithms            | • Databases           | • Formal Lang. & Automata | • Linear Algebra      |
| • Comp. Architecture    | • Data Structures     | • Intro to A.I. (Grad)    | • Software Meth.      |
| • Concepts in Cog. Sci. | • Discrete Structures | • Intro to Linguistics    | • Systems Programming |

## EXPERIENCE

### Break Ministry

Iselin, NJ

Tech Team Member

May 2020 – Present

- Update the Break Ministry website with functionalities that enhance user navigation utilizing frameworks such as Flask.
- Look for technological solutions to help 30+ Break Ministry members access materials and complete tasks more efficiently.
- Developed Google Script code connecting Google Suite applications to automate administration process.

## PROJECTS

### Sudoku Puzzle Solver/Generator | Python

June 2022 - Present

- Analyzing two Sudoku solving algorithms on a basis of runtime and efficiency to help answer "Is human thought efficient?"
- Implementing computer vision to accept and decipher pictures of Sudoku boards through TensorFlow and Keras.
- Generating, ranking, and storing Sudoku boards using backtracking processes similar to solving.

### Break Ministry Website | Python, HTML/CSS, JavaScript

June 2020 - Present

- Incorporating website Flask functionalities for 30+ Break members to have special website privileges.
- Developed a website that provides useful information about the ministry to possible partners, members, and clientele.

### Facebook Web Scraper | Python, Google APIs

December 2020

- Developed a web-scraping tool to retrieve Facebook group members' names and join dates to place into Google Sheet.
- Compiled data from 300+ Facebook profiles using Pandas and Google APIs to assist in alumni record upkeep.

## TECHNICAL SKILLS & INTERESTS

**Technical Training (by proficiency):** Java, Python, C/C++, JavaScript, HTML, MySQL, CSS, C#, Assembly

**Developer Tools:** Android Studio, Eclipse, Git and GitHub, Google Cloud Platform,  $\text{\LaTeX}$ , Linux, Pandas, SSH, Unity, Vim, VSCode

**Soft Skills:** Public Speaking, Leadership, Adaptability, Teamwork, Attention to Detail, Communication

**Activities/Interests:** Basketball, Volleyball, Music, PC Building, Minesweeper, Rubik's Cubes, Anime, Logic Puzzles, Legos

## LEADERSHIP EXPERIENCE

### Rutgers Association of Philippine Students (RAPS)

Rutgers University

President

April 2021 – April 2022

- Managed an executive board of 25 members to coordinate unique weekly events revolving around Filipinx-American culture.
- Fostered professional growth for 6 underclassmen through workshops including Public Speaking and Problem Resolution.
- Oversaw the planning and production of two large scale events of 800+ attendees advocating for social issues here and abroad.

Service Chair

April 2020 – April 2021

- Maintained a connection between 400+ RAPS Alumni and 200+ general body members through 4 alumni networking events.
- Organized 6 alumni panels covering skills and fields such as Public Speaking, Tech, Healthcare, and Business.
- Spearheaded fundraising opportunities totaling \$2500+ throughout the school year for COVID relief in the Philippines.