

# Boo Sung Kim

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## EDUCATION

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**Dickinson College**, Carlisle, PA

Bachelor of Science - Double major in Math & Computer Science  
Honors

*Expected: May 2023*

**Cumulative GPA: 4.0/4.0**

## RELEVANT COURSEWORK

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Object Oriented Programming with Java   Discrete Mathematics   Multivariable Calculus   Linear Algebra  
Computational Mathematics

## SKILLS

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### Proficient Languages

### Technologies & Environment Languages

Java, Python, MatLab, LaTeX, Bash, C++  
GNU/Linux, Git, Vim, Nano, Eclipse, PyCharm  
Korean (fluent), English (fluent), Chinese (limited working proficiency)

## WORK EXPERIENCE

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**Quantitative Reasoning Associate**, Dickinson College, Carlisle, PA

*Jan 2020 - Present*

- Instruct students during bi-weekly study sessions for MATH 170 Single Variable Calculus
- Host review sessions for major exams

**Phonathon Student Caller**, Dickinson College, Carlisle, PA

*Sept 2019 - Nov 2019*

- Solicit donations for the Dickinson College Fund as a student caller

**Math/Chemistry Duty Monitor**, SHSID, Shanghai, China

*Sept 2017 - May 2018*

- Organized one-on-one schedules between the teacher and students
- Prepared the classroom and lab equipment for class usage

## PROJECTS

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**Dickinson Menu Bot**   [https://github.com/boosungkim/Dickinson\\_Menu\\_Bots](https://github.com/boosungkim/Dickinson_Menu_Bots)   *Sept 2019 - Jan 2020*

- Built a Java webscraping application that collects, formats, and emails the college cafeteria menu to subscribed users

- Created a fully automated scheduler using Raspberry Pi and crontab

**Reddit Comment Responder**   <https://github.com/boosungkim/TatsuBot>

*June 2019*

- Implemented a Python webscraping application that replies to users on Reddit
- Utilized regex to recognize key phrases and a cloud platform to run the program on Reddit continuously
- Accumulated 1,200+ upvote points within a month

## RELEVANT LEADERSHIP & EXTRA-CURRICULAR

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**Participant**, Dickinson College Programming Club, Dickinson College, Carlisle, PA

*Sept 2019 - Present*

- Attend weekly meetings to improve programming problem-solving skills and learn algorithms and data structures

**Tech Section Writer**, Dickinson Science Newspaper

*Sept 2019 - Present*

- Write AI related tech articles for the Dickinson Science Newspaper

**Channel Founder/Creator**, Converge2Diverge, YouTube

*Jan 2018 - Present*

- Write scripts, film videos, and edit footage for Math, Computer Science, and Physics themed videos
- Created 15 videos with 4,600 views total as of February 2020

**Club Founder/Leader**, Converge to Diverge, SHSID, Shanghai, China

*Sept 2017 - June 2018*

- Coordinated club activities ranging from weekly meetings to school hosted math events
- Managed school budget of approximately \$150 to host math themed activities