

Boo Sung Kim

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EDUCATION

Dickinson College, Carlisle, PA

Expected: May 2023

Bachelor of Science - Double major in Math & Computer Science

Cumulative GPA: 4.0/4.0

Honors: Dean's List 2019, The William W. Landis Memorial Prize for excellence in Mathematics, The Jane Hill Prize for excellence in Computer Science

Relevant Coursework: Object Oriented Programming with Java, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Computational Mathematics

Fall 2020 Courses: Data Structures and Problem Solving, Tools and Techniques for Software Development, Computing Abstractions, Graph Theory

SKILLS

Proficient Languages	Python 3, Java, LaTeX
Technologies & Environment	GNU/Linux, Git, Vim, Eclipse, PyCharm
Basic Understanding	MatLab, HTML, CSS, C++
Language Skills	English, Korean, Chinese

WORK EXPERIENCE

Teaching Assistant, Dickinson College Math and CS Department, Carlisle, PA Sept 2020 - Present

- Hired as a Teaching Assistant for Math Help Room, CS Help Room, MATH 171 Multivariable Calculus

Resident Advisor, Dickinson College Res Life and Housing Office, Carlisle, PA June 2020 - Present

- Communicate and collaborate with the Resident Life & Housing staff to establish a united leadership team
- Participate in a training period to learn how to incorporate Res Life principles, especially during a pandemic

Quantitative Reasoning (QR) Associate, Dickinson College QR Center, Carlisle, PA Jan 2020 - May 2020

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

Phonathon Student Caller, Dickinson College, Carlisle, PA Sept 2019 - Nov 2019

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

PROJECTS

Dickinson Menu Bot Sept 2019 - July 2020

- Build a Java webscraping application that collects, formats, and emails the college cafeteria menu
- Create a fully automated scheduler using Raspberry Pi and crontab

Personal Web Server System May 2020 - July 2020

- Operates a personal website written from scratch using the LAMP stack (Linux Apache MySQL PHP)
- Hosts an SMTP email client to incorporate email subscription features on the personal website
- Provided experience with various Linux ecosystems and tools: Debian, apt-get, vim, etc.

Reddit Comment Responder 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 100+ users within a month

LEADERSHIP & EXTRA-CURRICULAR

Treasurer, Math and CS Club, Dickinson College Sept 2019 - Present

- Handle funding received from the college and general financial information about the club
- Assist the club president in organizing meetings with professors

Participant, Dickinson College Programming Club, Carlisle, PA Sept 2019 - Present

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

Tech Section Writer, Dickinson Science Newspaper Sept 2019 - Present

- Write tech articles about Artificial Intelligence 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 6,100 total views as of June 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