

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 2019-2020 (Freshman Year), The William W. Landis Memorial Prize in Mathematics, The Jane Hill Prize in Computer Science

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

SKILLS

Proficient Languages

C++, Python 3, Java, LaTeX, MatLab

Technologies & Environment

GNU/Linux, Git, Vim, Eclipse, PyCharm

Soft skills

Trilingual Communicator (English, Korean, Chinese)

WORK EXPERIENCE

Teaching Assistant, Dickinson College, Carlisle, PA

Sept 2020 - Present

- Tutor students taking Computer Science and Math courses during the Help Room Hour
- Guide the students and answer questions during MATH 171 Multivariable Calculus labs

Resident Advisor, Dickinson College, Carlisle, PA

Aug 2020 - Present

- Organize and manage 4 events each semester to foster growth within the community
- Communicate and collaborate with the Resident Life & Housing staff to establish a united leadership team
- Mentor freshman students in the dorm by promoting a healthy and supportive community

Quantitative Reasoning Associate, Dickinson College, 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

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

Personal Website

<https://www.boosungkim.com>

May 2020 - Present

- A personal blogging site written from scratch in HTML and CSS
- Hosted on a private Debian Virtual Private Server
- Provided experience with various Linux ecosystems and tools: apt-get, vim, etc.

Dickinson Menu Bot 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
- 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 +100 users within a month

RELEVANT LEADERSHIP & EXTRA-CURRICULAR

Participant, Dickinson College Programming Club, 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 tech articles about Artificial Intelligence for the Dickinson Science Newspaper

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