Boo Sung Kim

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EDUCATION

Dickinson College, *Carlise, 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, The William W. Landis Memorial Prize for excellence in Mathematics, The Jane Hill Prize 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 , MatLab
Technologies & Environment	GNU/Linux, Git, Vim, Eclipse, PyCharm
Basic Understanding	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*
● 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 (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   https://github.com/boosungkim/dickinson-menu-bot   *Sept 2019 - Present*
● Built a Java webscraping application that collects, formats, and emails the college cafetaria menu
● Created a fully automated scheduler using Raspberry Pi and crontab
Personal Web Server System   https://www.boosungkim.com   *May 2020 - Present*
● Hosted on a private Debian Virtual Private Server
● Operates a personal website written from scratch in HTML and CSS
● Provided experience with various Linux ecosystems and tools: apt-get, vim, etc.
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

LEADERSHIP & EXTRA-CURRICULAR

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