

Inhye Kang

Boston, MA • inhye@bu.edu • 978-989-4912 • [GitHub](#) • [LinkedIn](#) • [inhyek.com](#)

EDUCATION

Boston University | Boston, MA

Aug 2022 - Present

BA in Computer Science

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Geometric Algorithms & Linear Algebra, Computer Systems, Combinatoric Structures & Discrete Mathematics, Probability in Computing (Tentative for Spring 2024: Machine Learning, Full Stack Application Design and Development, Analysis of Algorithms)

Activities: BU Blockchain, Hack4ImpactBU, Stock Trading BU, FinTech BU, Alpha Delta Pi

WORK EXPERIENCE

Community Boating Inc. | Boston, MA

Jun 2022 - Present

Software Engineer, Sailing Instructor

- Increased boat sign-out efficiency time by approx. 50% by refactoring the MySQL database.
- Developed C++ algorithms and taught students how to build remotely-operated submersibles that complete various tasks in the Charles River in collaboration with MIT Robotics.
- Currently working on implementing machine learning in the system to improve sailing experience for members.

Harvard University | Cambridge, MA

Sep 2022 – Sep 2023

Systems Engineering Assistant

- Used Bash, Linux/UNIX to implement department-specific hardware, systems, and application software for the Math Department.
- Collaborated with team members to implement system security measures to protect data, software, and hardware.

LEADERSHIP ACTIVITIES

HackMIT | Massachusetts Institute of Technology

Oct 2022

Team Leader

- Managed progress of a team of 4 students to ensure completion of an application in the entertainment track.
- The application utilized Spotify and Tinder APIs to allow users to check compatibilities with another user through music.

inteGIRLS Boston Chapter | Boston, MA

Aug 2020 – Aug 2022

Founder & Director

- Founded and ran the Boston chapter of the nonprofit organization that promotes STEM and competition math involvement for female and non-binary students.
- Hosted a national virtual competition in late 2020, which had over 500 participants nationwide.

PPE for Healthcare Team | Andover, MA

Apr 2020 – May 2021

Team Leader

- Mass-produced 3000+ 3D-printed face shields for healthcare/frontline workers, nonprofit organizations, and businesses internationally.
- Conducted extensive research with team to find the ideal PPE prototype for protection, comfortability, and durability.
- Honored by national, state and regional level media coverage(The Boston Globe, CBS, NBC, etc.).

HONORS & ADDITIONAL INFORMATION

Jane Street Math Prize for Girls Alumni | MIT Advantage Testing Foundation

Sep 2019, Oct 2020

- One of the 300 students selected internationally to partake in the competition.
- Volunteer/proctor for the annual competition.

American Mathematics Competition (AMC10) Honor Roll

Feb 2018, Feb 2019

- Ranked in top 2.5% in the nation, In-school winner.
- USA Math Olympiad preliminary round (AIME) invitee.

Skills: Python, Java, HTML, CSS, JavaScript, UNIX, C++, Linux, NumPy, MongoDB, Django, Node.js, React, MySQL, Object-oriented Design, Data Structures, Microsoft Office, Project Management/Planning, Public Speaking, Leadership