

SHINWOO KIM

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EDUCATION

University of Pittsburgh

School of Computing and Information

University Honors College

Bachelor of Science, Computer Science (Minor: Mathematics)

Awards: Dean's List

Pittsburgh, PA

Expected Graduation: April 2025

Cumulative GPA: 4.0

RESEARCH INTERESTS

Artificial Intelligence, Machine Learning, Human-Computer Interaction, Computers in Education, Scientific Computing

Current Work: [Touch The Invisible](#) – 3D Bio-Molecular Models for Teaching Biology

RELEVANT COURSEWORK

Big Ideas in Computing and Information; Discrete Structures for Computer Science; Algorithms & Data Structures; Computer Organization & Assembly; Honors Introduction to Analysis

WORK EXPERIENCE

Pitt SCI Community Engagement

CompTIA A+ Instructor, Honors College STEAM Ambassador (Internship)

Pittsburgh, PA

July 2021-Present

- Develop the curriculum/course materials and teach CompTIA A+ certification class
- Support Community Engagement Programs by creating marketing and recruitment materials; planning meetings with community partners, updating website, and development & tracking of surveys
- Support with creation of new programs by helping to facilitate conversations with collaborative student groups, faculty, staff, and community partners; creating new activities; identifying potential resources for the CECs Digital Equity and Inclusion efforts.

University of Pittsburgh, Office of Admissions and Financial Aid

Diversity Recruitment Education and Mentoring (DREAM) Team

Pittsburgh, PA

September 2021-Present

- Assist the Office of Admissions and Financial Aid with college access and diversity efforts.
- Assist with managing the Pittsburgh Admissions Collaboration (PAC), which hosts college preparation workshops.
- Serve as mentors to local Pittsburgh Public School students through the PAC program.

LEADERSHIP & RELEVANT VOLUNTEER EXPERIENCE

Academic Discussion and Peer Tutoring at NPHS

President, SAT Instructor, Peer Tutor

North Penn High School

Sept 2019–June 2021

- Created and implemented a virtual tutoring program at North Penn High School; Utilized G-Suite and other tools to manager over 75 volunteer academic tutors
- Tutored 15+ students in high school mathematics, science, and history (including APs).
- Created framework for tutoring partnership between North Penn High School and its surrounding middle and elementary schools
- Founded a free SAT prep class for high school students.
- Created SAT Prep course materials and co-taught a class of over 50 students

AWARDS & SKILLS

Skills: Java, Python, HTML, CSS, MIPS; Bilingual proficiency in Korean & English (Read, Write, Speak)

Certificate: Object-Oriented Programming in Java (Duke University & University of California, San Diego)

Data Analysis with Python (freeCodeCamp)

Awards: National Merit Scholarship Program (Commended), Burger King Scholar, North Penn Distinguished Honors, AP Scholar with Distinction, Pennsylvania Senate Good Citizenship Award