Sang Heon Choi

Undergraduate Researcher

I'm still exploring different sub-fields in Computer Science at the moment. My interest leans to Human-Computer Interaction right now, but if you believe my experience and skillset can be valuable to your project, don't hesitate to reach out!

✉ chois3@rose-hulman.edu

📍 5500 Wabash Avenue, Terre Haute, United States

in linkedin.com/in/sang-heon-choi

📱 812-671-3657

🌐 sang-choi.github.io

github.com/Sang-Choi

EDUCATION

B.S. in Computer Science
Rose-Hulman Institute of Technology

09/2019 – Present   *GPA 3.72*

Courses
- Data Structures & Algorithms
- Technical & Professional Communication
- Introduction to Machine Learning
- Discrete Mathematics I & II

WORK EXPERIENCE

REU @ Institute for Software Research
Carnegie Mellon University

05/2020 – Present
Research Experience for Undergrads (REU) NSF Grant Award #1918140

Achievements/Tasks
- Used lightweight formal methods to verify robustness within a software system
- Conceived 'Consolidation' concept as an innovative way of designing safe software systems
- Paper pending

Contact: *Dr. Eunsuk Kang – eskang09@andrew.cmu.edu*

Clemson RSRG Developer
Clemson University

01/2020 – 06/2020
RESOLVE Software Research Group (RSRG) NSF Grant Award # 1914667

Achievements/Tasks
- Software Lead for 'Educator' section of BeginToReason tool
- Collaborated with researchers and developers from four different universities to construct rapid design mockups for implementation

Contact: *Dr. Joseph Hollingsworth – hollings@rose-hulman.edu*

Teaching Assistant
Rose-Hulman Institute of Technology

11/2019 – Present

Achievements/Tasks
- Supported student learning graded for Calculus I and CSSE 120

SKILLS

Java Python C FSP Discrete Mathematics

Django Bootstrap Statistics LaTeX

PERSONAL PROJECTS

These can be found on my website!

ORGANIZATIONS

Delta Sigma Phi Fraternity (02/2020 – Present)

Society of Asian Scientists and Engineers (SASE) (09/2019 – Present)

National Honors Society (09/2017 – 05/2019)
President

Model United Nations (09/2012 – 05/2019)
Delegate/Chairman/Secretary-General

HONOURS/AWARDS

Rose-Hulman Merit Scholarship
21,000 USD yearly scholarship

Robert A. Waddell Scholarship
2,500 USD scholarship every year for undergraduate studies

Google Tech Challenge 3rd Place

Conexus Indiana Business Case Competition Finalist

LANGUAGES

English
Native or Bilingual Proficiency

Korean
Native or Bilingual Proficiency

Mandarin
Limited Working Proficiency