Alice Huston

Present Address:
Box 4095, Stevens Institute of Technology
1 Castle Point on the Hudson
Hoboken, NJ 07030

Permanent Address:
1118 Longboat Ave
Beachwood, NJ 08722
848-210-1300
shuston@stevens.edu

Objective: To obtain a research position with a focus on robotics and computer science.

Education: **Stevens Institute of Technology**, Hoboken, New Jersey
Bachelor of Computer Science, Graduating May 2022
GPA: 3.6

Skills: **Languages:**
Bash, C/C++, CSS, HTML, Java, Python, XML

Software:
AutoCAD, Docker, GNU Image Manipulation Program, GNOME Tweaks,
Robot Operating System, Samba, SolidWorks, Vim, Wine

Operating Systems:
Debian 9, Raspbian, Ubuntu 16.04/18.04, Windows

Work Experience: **Maritime Security Center**, Hoboken, NJ
Research Intern: 6/19 to 8/19
- Created an image classification system using OpenCV to detect buoys and then plot them onto a 2D map generated by OctoMap
- Optimized the image classification and mapping frameworks to improve reliability in navigation

Rutgers School of Engineering, Piscataway, NJ
Research Intern: 7/18 to 8/18
- Used piezoelectric materials to create and detect mechanical waves from Arduino microcontrollers.
- Detected different mediums based on a mechanical wave's travel time

The Ocean County Library, Toms River, NJ
Monitor: 2/17 to 8/18
- Sorted and shelved library books, movies, and audiobooks
- Answered patron's questions about library events, materials, and general use
- Cleaned up furniture and books at closing

Activities: Society for Physics Students, Stevens Women in Computer Science, VP of TranSIT, Torch Alliance

Hobbies: Arduino Projects, Games, Musicals, R/C Flight Reading, Programming