

Joseph K Cralley

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Education:

Degree: Computer Science | Graduation year 2018

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GPA: 3.731

Awards:

Excellence scholarship Southern Illinois University

Dean's list recipient

Programming Experience

Proficient in Java, C++, and C

Member of ACM (Association for Computing Machinery)

Researched and programmed a genetic algorithm to Simulate Predatory/Prey environment.

Developed projects using microcontrollers like RaspberryPi and Arduino

Past Job Experience

Optimizing Item Response theory algorithm to run on GPU's

Took the program from running on CPU to in parallel on a GPU.

Ran the highly parallel algorithm on a server of GPU's

Helped distribute the program for others to use

Lifeguard at a city pool

Had to manage patrons and make sure they were safe

Learned basic CPR and first aid

Programming for Navsea Crane

Developed and maintained a project with a team

Learned how to interact with others in the work place to achieve a goal

Volunteer Opportunities

Inspected and Initialized Robots at a FTC competition for High students

Participated in a food drive for Carbondale IL Residences

Helped raise money to cure diabetes