

BLAKE PRESTON

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EDUCATION

The University of Iowa, Iowa City, IA
Bachelor of Computer Science

Anticipated, 5/21

PROGRAMMING LANGUAGES STUDIED

- Python Java C C#

PRE-PROFESSIONAL EXPERIENCE

Member, Robotics Club, UIowa, Iowa City, IA

- Furthered education in science, engineering, and mathematics related to robotics
- Used OpenCV/Python to complete tasks related to object recognition

Object-Oriented Software Development

- Learned more advanced object-oriented software skills in Java
- Built more advanced understanding of structuring large-scale projects

Relational Databases and SQL

- Learned the use of query languages such as SQL
- Used SQL for relational database implementation and query processing

Computer Organization

- Studied how the design of hardware and software impact performance
- Used C/MIPS to learn the inner workings of computers and how data is processed

Member, Students in Technology & Sciences Organization, UIowa, Iowa City, IA

Member, NCAA DI Morehead State Baseball Team, Morehead, KY

8/18-5/19

- Balanced over 20 hours of practice weekly with maintaining class responsibilities
- Advanced skills in teamwork, discipline, and being coachable

CURRENT PROJECTS

Robotics GUI

- Created a GUI using TKinter to better the control of the rover and provide more feedback

Computer Vision (project similar to Ring doorbell)

- Used OpenCV and Python to implement object tracking and detection

Epidemic Simulation

- Used software design principles to simulate an epidemic using Java in a Linux environment

32-bit Computer Processor

- Designed and implemented a substantial digital system that processes MIPS programs
- Used robust testing methodology in digital logic design using Logisim and Python

CURRENT EMPLOYMENT

Facilities Assistant, UIowa Center for Advancement, Iowa City, IA

8/19-Present

- Repaired building damage and managed landscape
- Collaborated with supervisor regarding projects throughout building

AWARDS/HONORS

Dean's List, Morehead State University, Morehead, KY

8/18-5/19

OVC All-Academic Honors, Morehead State University, Morehead, KY

8/18-5/19