

## **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