

# Jameel Kelley

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## Education

### Iowa State University

MS IN HUMAN-COMPUTER INTERACTION

GPA: 4.00

Ames, IA

Expected May 2022

### Iowa State University

BS IN SOFTWARE ENGINEERING

GPA: 3.31

Ames, IA

Aug 2016 – May 2020

## Experience

### Virtual Reality Applications Center

RESEARCH/GRADUATE ASSISTANT

- Created a mixed reality learning environment (VR + Physical) to assist in a more efficient and economical education of US personnel
- Leveraged the latest Vive VR technology with Unity to immerse users in a seamless virtual environment with physical equipment
- Utilizing computer vision to build an educational review dashboard for instructors

Ames, IA

Jan 2018 – Present

### Iowa State University

GRADUATE TEACHING ASSISTANT

- Facilitating communication and collaboration between students on discussion boards
- Problem-Solving with students during office hours to find root cause of errors
- Managing grading for 50+ students on a weekly basis

Ames, IA

Aug 2020 – Nov 2020

### Buildertrend

SOFTWARE DEVELOPMENT INTERN

- Led a team of five engineers in technology discovery and implementation of 13 client-facing application pages in a React environment
- Tested code written by peers and created documentation upon discovery of issues

Omaha, NE

May 2019 – Aug 2019

### Design Mill Inc.

SOFTWARE DEVELOPMENT INTERN

- Lead developer on VR farming hazard simulation application with aims to reduce the number of field accidents

Dubuque, IA

May 2018 – Aug 2018

### Iowa State Human-Computer Interaction Lab

RESEARCH INTERN

- Developed a usability centered interface for online sustainability education
- Wrote technical documents that were submitted to the International Review Board to conducting usability testing

Ames, IA

May 2017 – Aug 2017

## Skills

**Programming Languages:** Java, Typescript, C#, SQL, HTML, SCSS

**Tools:** CI/CD, Git, Nginx, Blender, Unity

## Projects

### Consumer-Aware Warehouse Management

A PROOF OF CONCEPT SOFTWARE FOR PREDICTION OF AUTOMATIC OPTIMAL ORDERING FOR WAREHOUSES

React, PostgreSQL, Spring, Hibernate, Python, Tensorflow, Java  
sdmay20-25.sd.ece.iastate.edu

### S-PASS

FRONTEND SOLUTION IDENTIFYING ENVIRONMENTALLY SUSTAINABLE PRODUCT ARCHITECTURES AND SUPPLIERS

React  
coolslice-spss.herokuapp.com

## Awards

Nov 2020 **Teaching Excellence Award**, Recognized for "outstanding achievement" in teaching. Awarded to the top 10% of Teaching Assistants

Iowa State University

Dec 2018 **Intel Ultimate Coder Challenge Winner**, Recognized for creating the most innovative "revolutionary commercial application for the virtual world"

Intel

