

# Jameel Kelley

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## Education

### Iowa State University

BS IN SOFTWARE ENGINEERING

GPA: 3.31

Ames, IA

Aug 2016 – May 2020

### Iowa State University

MS IN HUMAN-COMPUTER INTERACTION

Ames, IA

Expected May 2022

## Experience

### Virtual Reality Applications Center

RESEARCH ASSISTANT

- Working in a cross-disciplinary team to create accurate simulations in a virtual space

Ames, IA

May 2020 – Present

### 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

### Virtual Reality Applications Center

STUDENT RESEARCHER

- Creating mixed reality learning environment (VR + Physical) to assist in more efficient and economical education of US personnel
- Leveraging the latest Vive VR technology with the Unity engine to immerse users in a seamless virtual environment with physical equipment

Ames, IA

Jan 2018 – May 2020

### 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

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

**Processes:** Usability Analysis, Agile Development, Video Production

## 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-spPASS.herokuapp.com

### PunchClock

A TOOL TO TRACK, STORE, AND VISUALIZE WORK HOURS FOR EMPLOYEES

Java  
github.com/samstifter/punchclock

## Awards

Dec 2018

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

Intel

