Jameel **Kelley**

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Education

Iowa State University — *Ames, IA*
MS IN HUMAN-COMPUTER INTERACTION & COMPUTER ENGINEERING — *May 2020 – Aug 2022*
GPA: 3.77

Iowa State University — *Ames, IA*
BS IN SOFTWARE ENGINEERING — *Aug 2016 – May 2020*
GPA: 3.31

Experience

3M — *Maplewood, MN*
ADVANCED RESEARCH ENGINEER — *Aug 2022 – Present*
- Devlop user tools for improved process workflow
- Preform user testing and modify user interface for improved usability

3M — *Remote*
DATA SCIENCE INTERN — *May 2021 – Aug 2021*
- Integrated Reinforcement Learning into a Unity simulation for determining optimal alert modality

Virtual Reality Applications Center — *Ames, IA*
RESEARCH/GRADUATE ASSISTANT — *Jan 2018 – Present*
- Leveraged the Vive HMD and Unity to immerse users in a virtual environment with physical equipment
- Utilizing computer vision to build an educational review dashboard for instructors

Iowa State University — *Ames, IA*
GRADUATE TEACHING ASSISTANT — *Aug 2020 – Nov 2020*
- Managing grading and hosting office hours for 50+ students on a weekly basis

Buildertrend — *Omaha, NE*
SOFTWARE DEVELOPMENT INTERN — *May 2019 – Aug 2019*
- Led a team of five engineers in technology discovery and implementation of 13 client-facing application pages in a React environment

Design Mill Inc. — *Dubuque, IA*
SOFTWARE DEVELOPMENT INTERN — *May 2018 – Aug 2018*
- Lead developer on VR farming hazard simulation application with aims to reduce the number of field accidents

Iowa State Human-Computer Interaction Lab — *Ames, IA*
RESEARCH INTERN — *May 2017 – Aug 2017*
- Developed a usability centered interface for online sustainability education

Skills

Programming Languages: Typescript, C#, SQL, HTML, SCSS
Processes / Tools: Research Design, Human-Centered Design, Nginx, Blender, Unity, Git

Projects

Evaluation of MolCog Software and NUPACK Integration — *Unity, C#, Human-Centered Design, Python*

CREATIVE COMPONENT FUFFILLED FOR MASTER'S DEGREE IN HCI AND CPRE. SOFTWARE INTEGRATION AND BETWEEN-SUBJECTS TEST ON INTEGRATED AND NON INTEGRATED SOFTWARE TO DETEMINE PRODUCTIVITY, LEARNING, AND ERRORS BETWEEN INTERFACES

Consumer-Aware Warehouse Management *React, PostgreSQL, Spring, Python*

Awards

Mar 2021	**ISU Usabilathon Winner**, Winners of a competition where I and two others created a user interface mockup to help inform undeserved students of financial aid options	*HCI Student Group*
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*