

JAMEEL KELLEY

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EDUCATION

Iowa State University MS Human-Computer Interaction & Computer Engineering	Ames, IA 2020-05-01 - 2022-09-01
Iowa State University BS Software Engineering	Ames, IA 2016-08-01 - 2020-05-01

EXPERIENCE

3M <i>Advanced Research Engineer - T2</i>	Maplewood, MN 2021-05-01 - Present
<ul style="list-style-type: none">Developing digital-first tools to accelerate development in Material Engineering workflowsGather and apply user testing feedback for improved usability as Product Owner of five developersData Science Intern - Integrated Reinforcement Learning into a Unity simulation for determining optimal alert modality	
Virtual Reality Applications Center <i>Research/Graduate Assistant</i>	Ames, IA 2018-01-01 - 2022-07-01
<ul style="list-style-type: none">Leveraged the HTC Vive HMD to immerse subjects in mixed reality for rapid, high-fidelity learningUtilized open-source vision platform to build an educational review dashboard for instructors at ISU	
Buildertrend <i>Software Development Intern</i>	Omaha, NE 2019-05-01 - 2019-08-01
<ul style="list-style-type: none">Led team of five engineers in discovery and implementation of 13 client-facing application pages in React	
Design Mill Inc. <i>Software Development Intern</i>	Dubuque, IA 2018-05-01 - 2018-08-01
<ul style="list-style-type: none">Lead developer on VR farming hazard sim app with aims to reduce the number of field accidents	

SKILLS

Languages:	TypeScript/JavaScript, HTML, C#, SQL
Frameworks:	Remix, Svelte, Express.js
Software Development:	Version control, RESTful, Containerization, Agile, Unit Testing and TDD, CI/CD
Processes / Tools:	Research Design, Human-Centered Design, Nginx, Blender, Unity, Git

PROJECTS

CRDP React Component Library <i>Typescript, React, Github Actions</i> https://github.com/3M-Cloud/crdl-react-components Collection of 3M brand aligned, accessible, and reusable components for rapid internal user interface development
Evaluation of MolCog Software and NUPACK Integration <i>Unity, C#, Human-Centered Design</i> https://dr.lib.iastate.edu/handle/20.500.12876/105487 Software integration and between-subjects test on integrated and non-integrated software to determine productivity, learning, and errors

AWARDS

1% Annual TCC Award Creation of a net-new component system with attention to "planning, confidence, and dedication"	3M - 2024
3M Tech Forum Gold Star Chair Awardee 3M Tech Forum represents a place where scientists gather to discuss ideas. A gold star is given to chairs who preform exceptionally at leading a chapter during a year.	3M US Tech Forum - 2023
ISU Usabilathon Winner Creating and documenting user interface mockup to help inform undeserved students of financial aid options	HCI Student Group - 2021
Teaching Excellence Award Recognized for "outstanding achievement" in teaching. Awarded to the top 10% of Teaching Assistants	Iowa State University - 2020
Intel Ultimate Coder Challenge Winner Recognized for developing a virtual ag sprayer sim and awarded as the most innovative "revolutionary commercial application for the virtual world"	Intel - 2018