

Dylan J. Kerr

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WORK EXPERIENCE

British Standards Institution (BSI)

Oct 2021 - Present

Innovation Analyst, Data Science & AI Team

Phoenix, AZ

- Ran data analysis workshops for clients to ensure that pilots were well-defined, feasible, and aligned with business goals.
- Structured and implemented a dynamic key performance indicator (KPI) PowerBI dashboard for the BSI Innovation team.
- Assisted in digitizing ISO standards and federal regulations for AI by providing feature engineering and business analysis.
- Organized an international, virtual, company-wide innovation challenge to engage with over 600 employees.
- Designed an augmented reality (AR) wireframe and prototype of a mobile application that digitally verifies products.
- Developed a 20 minute VR training application of a Customs Trade Partnership Against Terrorism (CTPAT) 7-point container inspection to provide proper auditor guidelines in over 60 international ports.

NASA, Marshall Space Flight Center

June 2021 - Aug 2021

AR/VR Content Development Intern

Huntsville, AL

- Collaborated with multiple bases (MSFC, GSFC, LaRC, KSC) to support the utilization of AR/VR training technology.
- Implemented a networking engine API into middleware for the development of remote AR/VR collaboration tools.

The Luminosity Lab

May 2019 - May 2021

Graduate Research Assistant

Tempe, AZ

- Developed a virtual reality (VR) application for NASA's 2020 BIG Idea Challenge to provide insight on the importance of exploring lunar permanently shaded regions and remotely led a team of 6 undergraduate students.
- Collaborated with Luke Air Force Base in developing a HoloLens 2 mixed reality (MR) application intended to streamline the flight debriefing process and optimize flight training between up to 50 Air Force bases nation-wide.
- Designed an interactive WebGL application for a digital twin of Starbucks' Hacienda Alsacia coffee farm in Costa Rica.
- Reconstructed the hardware configuration of an olfactometer to retrofit a VR headset for research focused on integrating the sense of smell into VR experiences.

TEDxASU

Aug 2018 - Feb 2020

Creative Director

Tempe, AZ

- Lead marketing content creation, ensured legitimate branding guidelines, and managed a team of five design students.
- Hosted the largest student-organized TEDx event worldwide bringing in over 1500 attendees and a revenue of \$54,000.
- Created a stage design that utilized projection mapping to provide nine speakers with presentation visuals.

The Luminosity Lab

Oct 2017 - May 2019

Industrial Design Intern

Tempe, AZ

- Sketched concept artwork and 3D modeled electronic enclosures for drones, robotics, and wearable technology.
- Fabricated a 3D printed robot to engage over 100 students at the Arizona Science Center in S.T.E.A.M. activities.
- Managed a team of 15 undergraduate design students and constructed a sustainable recruitment system.

EDUCATION

Master of Arts (M.A.): Digital Culture (Augmented and Virtual Reality Design)

Completed May 2021

Arizona State University - School of Arts, Media, and Engineering

Tempe, AZ

Honors: 2020 NASA BIG Idea Challenge Innovation Award, 2021 United States Air Force Spark Tank Finalist, Dean's List

Bachelor of Science (B.S.): Industrial Design

Completed May 2019

Arizona State University - Herberger Institute for Design and the Arts

Tempe, AZ

Honors: Medallion Scholarship Program, 1st Place 2015 Friends of Transit Re-imagining Transportation Design Contest

SKILLS / INTERESTS

Design: Adobe (Photoshop, Illustrator, After Effects, Premiere), Figma, Unity3D, Unreal Engine, 3D/CAD Modeling (Solidworks, Onshape, Fusion360, Blender)

Programming Languages: C#, C++, Python, SQL, HTML5, CSS3, Javascript ES6

Interests: Product design, Art, 2D/3D animation, music/sound production, sustainability, additive manufacturing

Fun Fact: I was ASU's mascot, Sparky the Sun Devil, during my undergraduate degree and I swam next to Michael Phelps in his 2016 Under Armour commercial entitled: 'Rule Yourself'.