

BJORN V. BRADLEY

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Education

Arizona State University, Herberger School of Design (3.72 GPA) - 08/2022 - Present

B.S. in Media Arts & Sciences (Media Processing) & Certificate in Artificial Intelligence & Digital Media

Coursework: Minds & Machines, Decision Making & Problem Solving, Programming for IOT, Web Design & Development, Mac Development, Software Engineering, Advanced Interactive Audio, Animating Virtual Worlds

Experience

IT/AV Support - Walter Cronkite School of Journalism *08/2025 - Present*

- Deployed and licensed new computer stations across the Cronkite building, including Arizona PBS facilities.
- Provide frontline IT/AV support for classrooms, labs, and media spaces, ensuring consistent system performance, minimal downtime, and seamless technology use for students and faculty.
- Troubleshoot and resolve support requests, maintaining optimized hardware, software, and AV systems in a high-demand academic and broadcast environment.

Field Service Technician - Smart Source *08/2025 - 12/17/2025*

- Deploy and configure IT/AV technology for trade shows, large convention centers, and corporate events, ensuring reliable system performance and meeting strict setup timelines.
- Perform quality assurance checks on rental equipment (PCs, printers, monitors, and AV gear), verifying functionality, resolving issues, and preparing devices for redeployment.
- Work directly with clients to deliver tailored IT/AV solutions, strengthening technical expertise while building professional communication and client support skills.

IT Intern - Hooper Corporations *05/2023 - 08/2024*

- Led large-scale software licensing initiative, auditing databases, confirming program functionality, reallocating unused licenses, and coordinating with engineers and service technicians to optimize cost and compliance.
- Supported company-wide VPN migration, remotely installing and configuring software while troubleshooting any additional IT issues raised by employees. This allowed new off site employees to gain access to crucial data.
- Imaged and configured laptops per company protocols, ensuring standardized system setups and improved compliance with security policies.

IT Support Specialist - Edge Consulting Engineers Inc. *04/2021 - 08/2022*

- Installed and upgraded hardware as well as imaged workstations for a wide range of engineers, ensuring consistent performance and compliance standards across multiple offices.
- Designed and implemented a centralized hardware inventory database in Excel, enabling accurate tracking of equipment, reducing downtime, and improving audit readiness for the entire company.
- Developed strong professional communication skills by coordinating with staff and managers on technical requirements, improving response times and ensuring smooth day-to-day technology operations.

Projects

VR Instruments - *Unity, FMOD, XR Interaction Toolkit, VR Hardware, Audio Engineering & Design, Blender*

Developed a VR music experience for users to perform and record on custom virtual instruments with real-time, studio-style audio processing and interactive effects. Implemented a modular Unity + FMOD architecture with XR interaction systems, plus a sheet-music play-along mode for guided learning.

- Engineered low-latency XR interactions (grabbing, collisions, haptics, UI) using XR Interaction Toolkit and reusable C# components
- Scalable audio pipeline with FMOD buses, snapshots, and DSP chains optimized for runtime performance

AQI Prediction Dashboard for Decision Support - *PowerBI, numpy, pandas, sklearn, DAX*

Transformed a global air-quality dataset into an interactive Power BI dashboard backed via a predictive regression model. Cleaned and normalized readings, engineered features, trained a linear regression model to estimate AQI, and translated results into decision-ready visuals (KPIs, filters, maps) for comparing cities and identifying drivers of poor air quality.

- Python data pipeline for cleaning, aggregation, and feature engineering; validated schema and missing-data handling.
- Trained and evaluated an AQI regression model in scikit-learn; outputs into Power BI for interactive exploration

Skills

- **Programming & Development:** Python, JavaScript, TypeScript, HTML/CSS, Swift, Node.js, React, Unity
- **Data & Automation:** SQL, MongoDB, API Integration, Power BI, n8n, PyTorch, Pandas, Excel
- **Professional Strengths:** Creative Problem Solving, Technical Literacy, Critical Thinking, Client Support