

## Austin D. Williams

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### SUMMARY

Results-driven developer with strong experience in healthcare data systems, specializing in REDCap database management, automated data integration, and data visualization with Tableau. Proven ability to support NIH-funded research through scalable and efficient technical solutions. Passionate about transforming raw data into actionable insights to support decision-making in clinical research and healthcare settings.

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### TECHNICAL SKILLS

**Data & BI Tools:** REDCap (Design, API, Automation), Tableau (Dashboards, Storytelling), MySQL, MongoDB, Data Integration, ETL (APIs, scripting)

**Programming:** JavaScript, Node.js, PHP, React, Next.js, HTML, CSS

**Tools & Platforms:** GitHub, Postman, jQuery, Bootstrap

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### EXPERIENCE

#### Vanderbilt University Medical Center, Nashville, TN

##### Application Developer • 07/2023 – Present

- Designed and maintained REDCap databases with over 6,000 data points for NIH-funded research on ICU delirium.
- Built and deployed Tableau dashboards to visualize key study metrics, providing real-time insight into patient data.
- Developed automated solutions using REDCap API to import third-party data (e.g., Fitbit) and integrate into research databases.
- Trained clinical researchers on using REDCap for multilingual data entry and efficient data collection workflows.

##### Associate Application Developer • 04/2021 – 07/2023

- Managed over 15 REDCap database projects, ensuring accurate and secure data management across diverse clinical studies.
- Created custom Tableau visualizations tailored to specific study needs, aiding in reporting and publication efforts.
- Built REDCap-based applications to automate data flows, reducing manual entry and improving research team productivity.

##### Athletic Trainer (PRN) • 11/2019 – 04/2021

- Delivered sports medicine services for Vanderbilt basketball and local athletic events, acting as liaison between athletes and healthcare providers.

**Clinical Coordinator of Event Medicine • 11/2015 – 10/2019**

- Supervised 25+ part-time staff across 40+ events, overseeing scheduling, training, and medical logistics.

**Athletic Trainer • 08/2011 – 11/2015**

- Provided athletic training services to high school programs and collaborated with healthcare professionals on patient care.

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**PROFESSIONAL DEVELOPMENT**

- **Tableau Conference (2025, San Diego, CA)** • Premier annual event for data professionals to explore Tableau innovations and best practices
- **REDCap Fest (2024)** • Workshops & presentations for Vanderbilt/Meharry researchers
- **REDCapCon (2022, Boston, MA)** • Global education and networking for REDCap administrators
- **REDCap Day (2022-2023)** • Annual virtual training events

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**EDUCATION**

**Vanderbilt University - Owen Graduate School of Management**

Full Stack Web Development Certificate • 2020

Topics: HTML5, CSS3, JavaScript, jQuery, Bootstrap, Express.js, React, Node.js, MySQL, MongoDB

**Middle Tennessee State University, Murfreesboro, TN**

Bachelor of Science in Health and Human Performance • Athletic Training