

Lauren Webert

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Summary

Motivated professional with a background in psychology and neuroimaging research, transitioning into computer programming. Trained at University of Denver coding boot camp and earned a certificate in full-stack web development and coding. Ability to analyze complex datasets, develop solutions, and collaborate on cross-disciplinary teams. Currently completing an intensive coding bootcamp to build expertise in software development, with hands-on experience in Python, JavaScript and full-stack web development.

Technical Skills

Programming Languages: JavaScript, SQL, Python, Matlab

Front-end Development: HTML5, CSS, JavaScript, Bootstrap, Web APIs

Back-end Development: PostgreSQL, Express, ReactJS, Node

Education

Software Development Coding Certificate, University of Denver, Denver, CO | April, 2025

- A 24-week intensive program focused on gaining skills in full-stack web development.

Creighton University, Omaha, NE | May, 2022

Bachelor of Science, Psychology, *Cum Laude*

Minor in Biological Physics

Experience

Institute for Human Neuroscience, Boys Town, NE

Research Assistant II | July 2024 – Current

- Expanded my responsibilities to include mentoring new research assistants, authoring manuscripts, and independently running analyses on projects.

Research Assistant I | June 2022 – July 2024

- Analyze magnetoencephalographic (MEG) data through preprocessing, sensor-space analysis, source-space analyses, and statistical analyses
- Utilize BESA, MATLAB, SPSS and R
- Collaborate with graduate and post-doctoral students on analyses and manuscripts

Publications

***Webert, Lauren**; *Schantell, Mikki; John, Jason; Coutant, Anna; Okelberry, Hannah; Horne, Lucy; Sandal, Megan; Mansouri, Amir; Wilson, Tony. (2024). Regular cannabis use modulates gamma activity in brain regions serving motor control. *Journal of psychopharmacology* (Oxford, England). 38. 2698811241268876. 10.1177/02698811241268876.

Petro, Nathan; **Webert, Lauren**; Springer, Seth; Okelberry, Hannah; John, Jason; Horne, Lucy; Glesinger, Ryan; Rempe, Maggie; Wilson, Tony. (2024). Optimal gamma-band entrainment of visual cortex. *Human Brain Mapping*. 45. 10.1002/hbm.26775.

Petro, Nathan; Picci, Giorgia; **Webert, Lauren**; Schantell, Mikki; Son, Jake; Ward, Thomas; McDonald, Kellen; Livermore, Cooper; Killanin, Abraham; Rice, Danielle; Ende, Grace; Coutant, Anna; Steiner, Erica; Wilson, Tony. (2024). Interactive effects of social media use and puberty on resting-state cortical activity and mental health symptoms. *Developmental Cognitive Neuroscience*. 71. 101479. 10.1016/j.dcn.2024.101479.

**co-first authorship*.