

# Jeff Elmore

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2827 Spann St. Columbia, SC, 29204

## Summary

- Data scientist, full stack engineer, researcher, communicator, and leader.
- Co-founded generative AI tech startup, Verb.ai
- Co-authored over a dozen peer-reviewed articles and presented 25+ conference papers
- Twenty years experience with machine learning and large language models
- Adept at communication across diverse audiences.
- Visual artist and writer exploring the role of AI in creative endeavors.

## Education

- B.S. Applied Mathematics from North Carolina State University, 2008. Cum Laude.
- Graduate coursework in parallel computing and mathematical modeling.

## Work @ Verb.ai

### Summary

- Designed and implemented novel data analysis pipelines
- Fine-tuned generative models including gpt-3 and jurassic-1
- Applied rigorous evaluation, reliability, and validity analyses
- Co-Founded and raised £1 million seed round w/ Hoxton Ventures
- Exponential growth up to 40,000 users within 5 months of beta launch

### Positions

- Nights and Weekends: 2020 to 2022
- Co-Founder and Chief Technology Officer: 2022 to Present

## Work @ MetaMetrics, Inc.

### Summary

- Conceived, designed, built, and maintained multiple complex software projects from web apps to custom language models and machine learning pipelines
- Co-authored over a dozen peer-reviewed publications and presented over 25 conference talks and poster sessions
- Managed teams of up to 8 engineers

### Positions

- Senior Research Engineer: 2010 to 2022
- Senior Software Engineer: 2005 to 2010
- Technology Project Manager: 2004 to 2005
- Web Developer: 2002 to 2004

## Selected Publications and Presentations

- Elmore, J. (2020). *Lexile WordBank and Academic Vocabulary In K-12*. Durham, NC: MetaMetrics, Inc.
- Fitzgerald, J., Elmore, J., Relyea, J.E., Stenner, A.J. (2020). Domain-specific academic vocabulary network development in elementary grades core disciplinary textbooks. *Journal of Educational Psychology*. 112 (5), 855
- Orellana-García, P., Valenzuela-Hasenohr, MF., Kung, M., Elmore, J. (2020) EVOC: un Instrumento para Evaluar Vocabulario en Español en Chile. *Magis, Revista Internacional de Investigación en Educación*. 13, 1-26
- Graves, M. F., Elmore, J., & Fitzgerald, J. (2019). The Vocabulary of Core Reading Programs. *Elementary School Journal*, 119 (3)
- Elmore, J., Fitzgerald, J. (2019, July). *Identifying Salient Academic Words in Content-Area Texts using Semantic Network Centrality Measures*. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Toronto.
- Fitzgerald, J., Elmore, J., Kung, M., Stenner, A.J. (2017). The Conceptual Complexity of Vocabulary in Elementary Grades Core Science Program Textbooks. *Reading Research Quarterly*, 52(4), 417-442. DOI:10.1002/rrq.184
- Fitzgerald, J., Elmore, J., Relyea-Kim, E. J., Hiebert, E. H., & Stenner, A. J. (2016). Has first-grade core-reading-program text complexity changed across six decades? *Reading Research Quarterly*, 51(1), 7-28. DOI: 10.1002/rrq.115
- Elmore, J., Fitzgerald, J., Koons, H. H., Bowen, K. C., Sanford-Moore, E. E., Hiebert, E. H., & Stenner, A. J. (2014, April). *What random forests might do for educational research: Counterculture statistical modeling*. Poster presented at the annual meeting of the American Educational Research Association, Philadelphia.