Dr. Jason Yeatman is an Assistant Professor in the Graduate School of Education and Division of Developmental and Behavioral Pediatrics at Stanford University. Dr. Yeatman completed his PhD in Psychology at Stanford where he studied the neurobiology of literacy and developed new brain imaging methods for studying the relationship between brain plasticity and learning. After finishing his PhD, he took a faculty position at the University of Washington’s Institute for Learning and Brain Sciences before returning to Stanford.

As the director of the Brain Development and Education Lab, the overarching goal of his research is to understand the mechanisms that underlie the process of learning to read, how these mechanisms differ in children with dyslexia, and to design literacy intervention programs that are effective across the wide spectrum of learning differences. His lab employs a collection of structural and functional neuroimaging measurements to study how a child’s experience with reading instruction shapes the development of brain circuits that are specialized for this unique cognitive function.

**ACADEMIC APPOINTMENTS**
- Assistant Professor, Pediatrics
- Assistant Professor, Graduate School of Education
- Assistant Professor, Psychology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

**PROGRAM AFFILIATIONS**
- Symbolic Systems Program

**LINKS**
- Brain Development & Education Lab: https://www.brainandeducation.com/
Research & Scholarship

RESEARCH INTERESTS
- Brain and Learning Sciences
- Child Development
- Data Sciences
- Early Childhood
- Literacy and Language
- Psychology
- Research Methods
- Special Education
- Technology and Education

Teaching

COURSES
2020-21
- Literacy Development and Instruction: EDUC 258 (Aut)
- Measuring Learning in the Brain: EDUC 464 (Spr)

2019-20
- Educational Neuroscience: EDUC 266 (Win)

STANFORD ADVISEES
Doctoral Dissertation Reader (AC)
Klint Kanopka

Postdoctoral Faculty Sponsor
Amy Burkhardt, Manjari Narayan, Mahalakshmi Ramamurthy, Maya Yablonski

Doctoral (Program)
Madison Bunderson, Jamie Mitchell

Publications

PUBLICATIONS
- **QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data.** *Nature methods*
  2021

- **Rapid online assessment of reading ability.** *Scientific reports*
  Yeatman, J. D., Tang, K. A., Donnelly, P. M., Yablonski, M., Ramamurthy, M., Karipidis, I. I., Caffarra, S., Takada, M. E., Kanopka, K., Ben-Shachar, M., Domingue, B. W.
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- **Automativeness in the reading circuitry.** *Brain and language*
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• Reading: The Confluence of Vision and Language. *Annual review of vision science*
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  O'Brien, G. E., Gijbels, L., Yeatman, J. D.
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  Li, Q., Joo, S. J., Yeatman, J. D., Reinecke, K.
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• Intensive Summer Intervention Drives Linear Growth of Reading Skill in Struggling Readers *FRONTIERS IN PSYCHOLOGY*
  Donnelly, P. M., Huber, E., Yeatman, J. D.
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• You Can't Recognize Two Words Simultaneously. *Trends in cognitive sciences*
  White, A. L., Boynton, G. M., Yeatman, J. D.
  2019

• Categorical phoneme labeling in children with dyslexia does not depend on stimulus duration *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA*
  O'Brien, G. E., McCloy, D. R., Yeatman, J. D.

• Parallel spatial channels converge at a bottleneck in anterior word-selective cortex *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  White, A. L., Palmer, J., Boynton, G. M., Yeatman, J. D.
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• Combining Citizen Science and Deep Learning to Amplify Expertise in Neuroimaging *FRONTIERS IN NEUROINFORMATICS*
  Keshavan, A., Yeatman, J. D., Rokem, A.
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  Huber, E., Henriques, R., Owen, J. P., Rokem, A., Yeatman, J. D.
• Word selectivity in high-level visual cortex and reading skill
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• Intensive Summer Intervention Drives Linear Growth of Reading Skill in Struggling Readers. Frontiers in psychology
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• Evaluating g-ratio weighted changes in the corpus callosum as a function of age and sex
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Huber, E., Donnelly, P. M., Rokem, A., Yeatman, J. D.
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• Optimizing text for an individual’s visual system: The contribution of visual crowding to reading difficulties CORTEX
Joo, S., White, A. L., Strodtman, D. J., Yeatman, J. D.
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Yeatman, J. D., Richie-Halford, A., Smith, J. K., Keshavan, A., Rokem, A.
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Kay, K. N., Yeatman, J. D.
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Sarica, A., Cerasa, A., Valentino, P., Yeatman, J., TrottA, M., Barone, S., Granata, A., Nistico, R., Perrotta, P., Pucci, F., Quattrone, A.
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  Yeatman, J. D., Myall, N. J., Dougherty, R. F., Wandell, B. A., Feldman, H. M.
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  Yeatman, J. D., Ben-Shachar, M., Glover, G. H., Feldman, H. M.
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