

Janhavi Pillai

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<https://janhavi-pillai.github.io/>

EDUCATION

University of California, Berkeley

B.A. Cognitive Science (Honors) and minor in Data Science

May 2022

Berkeley, CA

WORK EXPERIENCE

UCSF Memory and Aging Center

Staff Research Associate II - Neuroimaging Data

September 2022 – present

San Francisco, CA

UCSF Kheirbek Lab

Neuroscience Research Intern

April 2020 – May 2022

San Francisco, CA

CITRIS Foundry

Student Associate – Design and Media

June 2019 – December 2021

Berkeley, CA

RESEARCH

UC Berkeley Undergraduate Honors Thesis

1. **Pillai, J.**, Turner, V.S., Presti, D., Kheirbek, M. (2022). Activation of Ventral Hippocampus and Paraventricular Nucleus of the Hypothalamus during Anxiety-Related Behaviors. *University of California, Berkeley*.

Conference Posters

1. Grebe, L., Morin, B.T., **Pillai, J.**, Baquirin, DPG., Ratnasiri, B.M., Bogley, R., Ezzes, Z., Wauters, L., Mandelli, M.L., Miller, Z., Gorno Tempini, M.L., Galletta, E., Goral, M. Vonk, J.M.J. (2023). Cognitive Reserve in Primary Progressive Aphasia. *The American Speech-Language-Hearing Association*.
2. Kersey, M., **Pillai, J.**, Bogley, R., Shabash, M., Martin-Moreno, D.V., Carpenter, E., Tee, B.L., DeLeon, J., Miller, Z., Watson, C.P., Mandelli, M.L., Pedemonte, B., Gorno Tempini, M.L., Chagas, P.P. (2024). Characterizing Neural Signatures of Dyslexia and Co-occurring Math Learning Difficulties (MLD) with Machine Learning. *Cognitive Neuroscience Society*.
3. Mandelli, M.L., Cobigo, Y., Leichter, D., **Pillai, J.**, Ulugut, H., Ezzes, Z., Baquirin, DPG., Bogley, R., Giloli, A., Knudtson, M.V., Tee, B.L., Rosen, H.J., Miller, B.L., Sturm, V., Rankin, K.P., De Leon, J., Miller, Z., Gorno-Tempini, M.L. (2024). Pattern on Long-Distance Neural Alterations in Predominant Left versus Right Anterior Temporal Lobe Atrophy. *Organization for Human Brain Mapping*.
- 4.

PROJECTS & PRESENTATIONS

Projects

1. UCSFNeuroviz (<https://github.com/MathCognitionUCSF/ucsfneuroviz>)
2. Machine Learning Predictions of Dyslexia Phenotypes with Resting State Functional MRI
3. UCSF Dyslexia Center MRI Data Preprocessing Pipeline

Presentations

1. NeuroHackademy | University of Washington eScience Institute
 - Attended hands-on lectures and presented a final hackathon project alongside collaborators from various universities.

LEADERSHIP & COMMUNITY

1. BrainHack Global Organization Committee
 - Organized the 2023 Bay Area BrainHack Global, hosting multidisciplinary collaborations from around the world to promote the bridge between data science and neuroscience research.
2. UCSF ALBA Lab JEDI Team
 - Actively working as a core member of the lab's first JEDI (Justice, Equity, Diversity, Inclusion) team.
 - Fostering an equitable research environment through hosting internal antiracist journal clubs and planning community events to garner diverse research participants.
3. UC Berkeley Natya
 - Served as Captain of UC Berkeley's Premier Indian Classical Dance Team, leading the team to victories at several national competitions.

SKILLS

Programming

- Python
- Bash scripting
- SQL
- R
- Java
- MATLAB
- HTML

Other

- Git
- Docker
- Singularity
- PyTorch