



MEET SHANAHAN FELLOW

SVEN DORKENWALD

Sven Dorkenwald joined the Allen Institute and the University of Washington as a Shanahan Fellow in September 2023. He received his undergraduate degree in Physics and a Masters degree in Computer Engineering at the University of Heidelberg in Germany. While in Heidelberg, he worked on automated image analysis in connectomics with Jürgen Kornfeld in the department of Winfried Denk at the Max Planck Institute for Medical Research. Sven received his Ph.D. in Computer Science and Neuroscience from Princeton University, where he worked with Sebastian Seung and Mala Murthy. During his PhD, he developed approaches for the reconstruction and analysis of neuronal circuits from Electron Microscopy images and spearheaded the FlyWire consortium effort that produced a synapse-resolution connectome of an adult *Drosophila* brain. Concurrently, Sven devised a self-supervised approach for efficient annotation of cell reconstructions as a student researcher at Google Research. As a Shanahan Fellow, Sven is pursuing the integration of neuroscience datasets from multiple modalities.

What I'm working on: [New ways to represent cell morphologies](#)

What keeps me up: [How to relate structure and function of neuronal circuits](#)

I'm looking forward to: [Giving a eScience seminar talk in February](#)



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