

Ryan Glanz

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<https://rglanz.github.io/>

EDUCATION

UNIVERSITY OF IOWA 2017–2019

Master of Behavioral and Cognitive Neuroscience

UNIVERSITY OF IOWA 2012–2016

Bachelor of Psychological and Brain Sciences

UNIVERSITY OF IOWA 2012–2016

Bachelor of Chemistry

PROFESSIONAL EXPERIENCE

BRAIN BALANCE November 2021–Present

Developer | Analyst

- Developed python analysis pipelines for four major projects
- Developed custom data visualization pipelines in python and Adobe Creative Suite
- Reformatted database structure to decrease load time from 36 seconds to under 2 seconds

UNIVERSITY OF IOWA August 2017–Present

Research Assistant

- Developed a suite of deep-learning algorithms and using tensorflow and keras in python to decode complex time-series data
- Developed a Qt-based video analysis application that reduced video-validation procedures from 45 minutes to 15 minutes
- Developed an application to synchronize video and neural data streams in Matlab. Achieved a 4– 5x speed up by converting to python

SKILLS

HTML • CSS • JavaScript • React • Git • Qt • Python • Analytics • Data Visualization

SELECTED PROJECTS

EVENT VALIDATION

A lightweight epoch-based video playback GUI built in PyQt.

(<https://github.com/rglanz/EventValidation>)

VSYNC

An application for synchronizing high-speed video and separately collected data streams.

(<https://github.com/rglanz/vsync>)