

Ryan Glanz, PhD
Software Engineer

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

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Professional Summary:

I am a highly skilled Software Engineer with a multidisciplinary approach. I hold a Ph.D. in Psychology, complementing my expertise in software development. I am proficient in a diverse tech stack encompassing React, TypeScript, HTML, CSS, JavaScript, Python, Git, SQL, and Data Analysis/Visualization. I am skilled at leveraging psychological insights to create intuitive and user-centric software solutions, bringing a unique perspective to the intersection of technology and human behavior.

Skills:

- React/TypeScript
- HTML/CSS/JavaScript
- Python
- Git
- SQL
- Data Analysis/Visualization
- UI/UX Design

Professional Experience:

RevenueCat - Remote | August 2022 - Present
Developer Support Engineer

- Effectively addressed complex user challenges by carefully examining source code, SQL databases, and server logs.
- Led the development of customized internal tools that empowered the support team, leveraging frontend (React/Typescript), backend (Python/SQL), and testing (Jest/Python) expertise.
- Played a significant role in improving the main website's frontend using modern technologies like React and TypeScript.
- Provided technical support to Revenue Cat's valued customers, assisting engineers, debugging issues, and addressing product inquiries with expertise.
- Efficiently handled small-scale development tasks, adapting frontend based on support team insights and creating streamlined internal tooling.

Environment: React, TypeScript, Python, SQL, Jest, Python

Brain Balance - Remote | November 2021 - August 2022
Software Developer

- Managed the development of customized statistical analysis pipelines using Python and SPSS for four significant projects, contributing to a co-authored paper publication.
- Initiated the creation of personalized data visualization pipelines, leveraging Python, matplotlib, and Adobe Creative Suite to produce informative and visually appealing visuals.
- Took the lead in revamping the database structure, achieving an outstanding reduction in load time from 36 seconds to under 2 seconds.

Environment: Python, matplotlib, Adobe Creative Suite

University of Iowa | August 2017 - November 2022
Graduate Research Assistant

- Led the development of an end-to-end environment using Python and TensorFlow to efficiently preprocess, analyze, and visualize complex timeseries data with advanced machine-learning techniques.
- Designed a state-of-the-art, Qt-based video analysis application that significantly improved video-validation processes, reducing the time required from 45 minutes to under 15 minutes.
- Created a Python application for synchronizing video and neural data streams, resulting in a 4-5x acceleration after refactoring from its original implementation in Matlab.

Education:

University of Iowa *Doctor of Philosophy*, Psychology

University of Iowa *Bachelor of Science*, Psychology, Chemistry