Matthew **Doiron**

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# SUMMARY

Knowledgeable iOS Developer skilled in data collection, analysis and management. Coming from a clinical and academic background, works well under pressure and consistently meets deadlines and targets while delivering high quality work.

# Projects

Dungeon Dice Calculator – Available in App Store

* Calculate algebra equations using simulated multi-sided dice rolls
* Built using React Native, Javascript, and Objective-C

Superhero Database – In Progress

* Search for and explore thousands of Marvel and DC Comics superheroes
* Written in Swift and utilizes comicvine.com API using JSON

Neuro-Music Therapy Companion – In Progress

* Multiple tools for music therapists, including a metronome with synthesized instruments and a game which measures users voice amplitude and frequency
* Written in Swift and utilizes Audiokit framework for generating, analyzing, and manipulating sound

# Work Experience

2017 – now iOS DEVELOPER

*Clionsky Neuro-Systems, Springfield, MA (Remote)*

* Designed and developed iOS app for administering, scoring, and generating a narrative report for medical records
* Employed a pay-per use model via in-app purchases and syncing of test credits via iCloud
* Used a combination of scoring algorithma, HTML, and CSS to create a narrative report which describes clinical findings, explains conclusions, and offers recommendations for patients.
* Launched March 2017 - [appsto.re/us/Lt3Fib.i](https://appsto.re/us/Lt3Fib.i)

2014 – 2016 DOCTORAL TEACHING FELLOW

*Drexel University, Philadelphia, PA*

* Developed and managed a relational-database
* Performed statistical analysis of research data
* Fulfilled teaching assistant responsibilities for multiple undergraduate psychology courses

2012 – 2014 RESEARCH ASSOCIATE

*Spaulding Rehabilitation Hospital, MA*

* Created dashboard for collecting and viewing clinical data
* Authored and co-authored multiple publications and posters

# Education

Master of Science in Psychology

*Drexel University – Graduated Winter 2016*

Bachelor of Arts in Psychology & Philosophy

Hofstra University – Graduated Spring 2011

# Skills

* Swift
* HTML
* CSS
* Javascript
* React Native
* JSON
* Git
* SQL
* MySQL
* PostgreSQL
* R
* SPSS