

WILLIAM FALCON

Data Scientist - Deep Learning

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EXPERIENCE

Columbia University

Neuroscience Machine Learning Research Assistant

Sep 2016 - Current

New York, NY

- Applying Deep Learning methods to decode activity from retinal ganglion cells.
- Using Convolutional Neural Networks to decode neural cell responses.
- Using Generative Adversarial Networks to do Image super-resolution on decoded images.
- Experimenting with different architectures and strategies to push the state of the art limits on neural decoding.

Goldman Sachs

Application Software Engineer

2015-2016

New York, NY

- Developed Strategy Studio React app, a high-impact initiative, that exposes internal risk control and trading strategies to external clients
- Strategy Studio monetizes Goldman's "Secret Sauce" with external clients for the first time in Goldman's history. Primary stakeholder is Goldman's CIO Marty Chavez.
- Led an initiative to evaluate Machine Learning integration within equity sales.

Harlem App Collective (Consulting)

Senior iOS Consultant. Product Manager.

2014 - Current

New York, NY

- Contracted to product manage and lead development of 3 iOS apps.
- Tablet hotel iOS App** (tablehotels.com) - Book high-end hotels worldwide. 5 million monthly uniques.
- Sharebite iOS App** (sharebite.com) - Order from any NYC restaurant.
- Flic iOS App** (flic.com) - Tinder for deleting photos from phone.
100k+ downloads. Featured in Techcrunch, Business Insider, + 10 others

Bank Of America - Merrill Lynch

International Financial Advisor

2011 - 2013

New York, NY

- Managed and invested \$16 mm for Latin American Wealth Management Clients.

US Air Force - 304th Pararescue Squadron

Combat Rescue (CRO) Trainee - 1st Lieutenant

2010 - 2012

Portland, OR

- Completed CRO Selection. CROs develop the skills to conduct operational, tactical level planning and to deploy as team commanders for Air Force Pararescuemen.

US Navy - Naval Special Warfare Center

Naval Special Warfare (SEAL) officer trainee - Ensign/Lieutenant JG

2008 - 2010

San Diego, CA

- Completed 6 week in-depth leadership, decision-making course (JOTC) designed to prepare junior officers to lead SEAL teams in combat.
- Developed leadership and teamwork skills in high-pressure situations while being pushed to the limits of physical and mental endurance
- Completed 483 days of BUD/S (SEAL) training before being medically disqualified. Sent to a SEAL team for further leadership development and intelligence training.
- As class leader, was responsible and accountable to SEAL instructors for 300 BUD/S trainees.

EDUCATION

Columbia University

B.A (Dual Major). Statistics. Computer Science.

2013-2017 (Expected)

Florida State University

B.A Criminology, minor in Arabic

2004 - 2007

RESEARCH

Columbia University

Using Deep Networks to decode readings from retina ganglion cells.

Advisor: Liam Paniski. Statistics & Neuroscience Department

Scaling and optimizing recommender models

Advisor: Kriste Krstov. David Blei Lab - Data Science Institute.

TEACHING

Columbia University

Honors Data Structures & Algorithms (undergrad)
Computer Science Department

Cellular Networks & Mobile Development (grad)
Computer Science Department

Lean Launchpad (grad)
Columbia Business School

PROJECTS

PokePrism (iOS, Logistic Regression)

Map of predicted Pokemon GO appearances.
20k+ downloads. Product Hunt. Shutdown by Niantic.

Hushfeed (iOS)

Tinder for unfollowing on Facebook.
60k+ downloads. Techcrunch, Product Hunt. Unofficial

Meal Idea (iOS, NLP)

Discover most popular recipes on Social Media.
200k+ downloads. #1 Food app in 8 countries (2012)

STRENGTHS

Creative Fast Learner Detail Oriented Mobile Apps

Intellectually Curious Self-Driven Communication UX

LANGUAGES / FRAMEWORKS

Python	●●●●●
Swift	●●●●●
Objective-C	●●●●○
Javascript	●●●●○
SQL	●●●○○
Java	●●○○○

Theano	●●●●○
Tensorflow	●●●○○