

JOHN J. BERROA

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"Python Data Scientist with an interdisciplinary background in cognitive science, finance, and aviation"

»»» Professional Interests

I desire to apply deep learning to interesting, high-value problems in the business world, as well as find patterns that can lead to new, paradigm shifting insights that create significant competitive advantage.

»»» Education

Universität Osnabrück

M.Sc. in Cognitive Science

Focus Areas: Artificial Intelligence and Neuroinformatics

Coursework including: Artificial Neural Networks, Computer Vision, TensorFlow, Methods of AI, Machine Learning, Cognitive Human-Computer Interaction, Programming in Python, German

Osnabrück, Deutschland

October 2016—Present

Stockton University

B.A. in Psychology

Minor in Behavioral Neuroscience

Distinction Project/Thesis: Resting State EEG and the Propensity for the Disposition Effect

Awards and Honors: Magna Cum Laude, Honors and Program Distinction, Dean's List, REU Grant

GPA: 3.92/4.0

Major GPA: 3.95/4.0

Galloway, New Jersey

May 2014

»»» Experience

February
2018

Hack4Health – Second Place – Epidemiology Hackathon

Osnabrück

» Within a team of four, created a chatbot which informed the public about the current health state of their city through the usage of data and machine learning. Coded in Python.

Winter
2017/18

Computer Vision Tutor

Osnabrück University

» Graded homework and lead Feedback sessions with groups of students, as well as graded the final. Python based course.

November
2017

Münsterhack – First Place – Civic Improvement Hackathon

Münster

» Within a team of six, used machine learning to predict future bus delays.
» Created an AR arrival time monitor for bus stops in Münster, based on live data. Coded in C# and Python.

October 2017

Collabothon – Fintech Hackathon

Frankfurt a.M.

» Within a team of four, created a prototype of a budgeting app, CashFlo, who's major feature was prediction of cash spending without the need for user input.

Fall 2013

Teaching Assistant

Stockton University

» Assisted with EEG net application and data cleaning lessons.
» Compiled examples of artifacts into a guide for future students.

Spring 2013

EEG Research Assistant

Stockton University

» Collected EEG data for a joint university neuromarketing study between Stockton, Temple, Drexel, and NYU.

»»» Organizations and Volunteering

September 2017—Present

Open Knowledge Lab Osnabrück

February 2017—Present

Open History Project Board of Directors

October 2017

Cognitive Science Welcome Week Tutor

June 2017

Schnupperstudium Neuroinformatics Presenter

April 2017—March 2018

IMOS (Intercultural Mentoring of Osnabrück) Mentor

September 2012—May 2014

2020 Learning Team Student Liaison

2014—Present

Psi Chi Honor Society

Coding Competencies

Python TensorFlow

C# NumPy

SciPy Pandas

L^AT_EX Grid Computing

Git Linux