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

Osnabrück University/*Universität Osnabrück*   Osnabrück, Germany
M.Sc. in Cognitive Science   October 2016—Present
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

Stockton University   Galloway, New Jersey
B.A. in Psychology   May 2014
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
Major GPA: 3.95

❱❱❱ EXPERIENCE

February 2018	**Hack4Health** − ***Second Place*** − ***Epidemiology Hackathon***	*Osnabrück, Germany*

❱ 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, Germany*

❱ Within a team of six, used machine learning to predict future bus delays and 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, Germany*

❱ 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

		Coding Competencies	
September 2017—Present	Open Knowledge Lab Osnabrück		
February 2017—Present	Open History Project Board of Directors	Python	TensorFlow
October 2017	Cognitive Science Welcome Week Tutor	C#	NumPy
June 2017	Schnupperstudium Neuroinformatics Presenter	SciPy	Pandas
April 2017—March 2018	IMOS (Intercultural Mentoring of Osnabrück) Mentor	LaTeX	Grid Computing
September 2012—May 2014	2020 Learning Team Student Liaison	Git	Linux
2014—Present	Psi Chi Honor Society		