

Colin E. McGregor

Personal Information

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Education

- Johns Hopkins University undergraduate (anticipated graduation 2020): major in cognitive science, minor in psychology – Baltimore, MD
- Diploma from The Juilliard School's Pre-College program (2016): major in violin performance – New York, NY
- High school diploma (Pennsylvania Leadership Charter School University Scholars Program) – West Chester, PA

Previous and Current Research Appointments

Johns Hopkins Medical Institute Center for Music and Medicine

- 2017 – present
- Worked on “Guitar-PD”, a project that taught 24 people with moderate to advanced Parkinson's Disease to play guitar; PIs: Alexander Pantelyat, M.D. and Serap Bastepe-Gray, M.D.
- Administered tests/questionnaires; analyzed data and found that the participants significantly improved in quality of life and upper extremity function
 - Paper to be published in 2020; will be listed as co-author
- Currently working on "Drum-PDHD" – a similar project to what is mentioned above except it is ongoing, involves eight participants (five with Parkinson's Disease and 3 with Huntington's Disease) and their spouses, and utilizes drumming/percussion instead of guitar playing
 - Paper to be published in 2020 or 2021; will be listed as co-author

Johns Hopkins Department of Psychological and Brain Sciences

- 2019
- Research assistant in 2 ongoing studies
 - One aims to examine how couples in long-distance and in-person relationships communicate and describe one another in terms of linguistic concreteness

- The other aims to try to establish a correlation between linguistic concreteness in partner description and the way the partner is presented to a participant (via a picture, their name, or just the term “my romantic partner”)

List of Research Skills

Trained in administering:

- World Health Organization Disability Assessment Schedule (WHODAS)
- Disabilities of the Arm, Shoulder and Hand assessment (QuickDASH)
- Purdue Pegboard Test
- Box and Blocks Test

Additional skills:

- Basic MATLAB
- Basic R
- Familiarity with Linguistic Category Model (LCM) and Linguistic Inquiry and Word Count (LIWC)

Extracurricular Activities/Leadership

Steinway Series at Silo Hill – Director of Social Media Outreach

- Youngest member ever elected to board; one-year volunteer before being elected
- In charge of all social media and public relations
- Assisted in organizing 10 classical music performances, each of which raises around \$1000 to fund Parkinson’s Disease research

Camp Kesem -- Development coordinator and counselor

- Provides free summer camp for 70+ kids whose parents have cancer
- Successfully raises more than \$50,000 as an organization annually

Johns Hopkins Admissions – Public Relations Assistant

- Executive member (earned volunteering 100 hours in a single school year) of the Johns Hopkins undergraduate admissions volunteers
- Gave 100+ tours of campus over 2.5 years and co-led 20+ prospective family information sessions

Johns Hopkins Orientation – Social Programs Coordinator

- Worked on a team of 10 people (5 undergraduate, 3 graduate, 2 professional) to plan the New Student Orientation for incoming 1500 students
- Planned 8 social events ranging from 50-person ice cream socials to campus-wide festivals

List of Important Classes Taken

At Johns Hopkins:

Cognitive Neuroscience; Introduction to Neuroscience; Introduction to Psychology; Music Theory II and III; Cognitive Neuropsychology of Visual Perception; Social Psychology; Decisions, Games & Social Choice; Neurobiology of Human Cognition; Research Methods in Experimental Psychology

At Juilliard Pre-College:

All levels of Music Theory and Ear Training, Period Counterpoint, Advanced Socratic Music Seminar I and II, Psychological Skills of Top Performers, 6 years of Chamber Music

Other Interests & Skills

- Skills: social media development and expansion, WordPress, basic HTML/web management, public relations, public speaking, writing (scientific and creative)
- Music:
 - Winner of Hopkins Symphony Orchestra bi-annual concerto competition – performed Mendelssohn’s Violin Concerto in E Minor, Op. 64, in its entirety as a soloist
 - 19 years’ experience playing violin
 - knowledgeable in advanced music theory and counterpoint
- Interests: music theory of popular songs, license plate collecting/archiving, interior design, songwriting/guitar, road tripping in rural Michigan and Colorado

References

Alexander Pantelyat, M.D.

Director, Johns Hopkins Medicine Atypical Parkinsonism Center
Assistant Professor of Neurology

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Baltimore, MD 21287
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Diane Lanham, M.A.

Lab Manager, Johns Hopkins Medicine Atypical Parkinsonism Center

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Travis Hardaway, DMA

Assistant Professor of Music Theory, Peabody at Johns Hopkins Homewood

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