

James Allen

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Education

East Chapel Hill High School

Graduated 2014

Enrolled in academically challenging curriculum

- 4.8/5.0 GPA (weighted scale)
- 3.8/4.0 (unweighted scale)

Emory University

Fall 2014 – present

Double major in *Neuroscience and Behavioral Biology* and *Music*

- Science coursework in Neuroscience and Behavioral Biology, Biology, and Chemistry
- Music coursework in Music Theory and Analysis, Composition, and Performance
- 3.4/4.0 GPA

Activities

- Emory University Symphony Orchestra
- Emory Chamber Ensemble
- Symposium
- Rock the Row

Experience

Duke University Center for Human Genome Variation

Summers 2014 – 2015

Supported general center activities

- Created filing systems and organized patient sample files for various sequencing studies
- Participated in sequencing lab preparation
- Reviewed and interpreted sequencing traces of individual patient genomes

Traynelis Lab, Emory University

2016-present

Assisted in lab projects

- Voltage-clamped *xenopus laevis* oocyte recordings
- Molecular biology: DNA mutagenesis, sequencing

Presented a poster at the 2018 Emory Undergraduate Research Symposium

- Culmination of project worked on from fall 2017 - spring 2018
- Title: Agonists Binding and Proton Inhibition in GRIN Variants

Skills and Interests

Computer skills

Communication and presentation software:

- Word
- Powerpoint
- Excel

Laboratory Programs

- Pymol
- Prism
- APE

Music production software:

- MuseScore
- Sibelius
- Garageband
- Logic Express

Coding Languages:

- Java
- Python
- R
- SQLite

Interests

Music

- Cello (~11yrs), Guitar (~9 yrs), Bass (>7 yrs), Piano (~3yrs)
- Guitarist/bassist in the rock bands Hung Jury, Green Eggs and Jam, and Afternoon Smoothie
- Music theory
- Music composition

Art

- Drawing, painting, and creating