

## Nicholas Le Djedjos

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### EDUCATION

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**Columbia University**, School for Engineering and Applied Sciences, New York, NY May 2026  
*B.S. in Computer Science* GPA 3.9/4.0

**Relevant Coursework:** Data Structures, Discrete Math, Linear Algebra, and Multivariable Calculus

**Mississippi School for Math and Science**, Columbus, MS May 2022  
Inducted to Hall of Fame GPA 4.0/4.0

### SKILLS

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Python, Java, R, and Microsoft Office (Word, Excel, and Powerpoint)

### RESEARCH EXPERIENCE

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**Computational Biology at the Tavazoie Lab**, Columbia University, NY Feb. 2023-Present  
*Research Fellow*

- Developed clustering techniques to repurpose pharmaceuticals for new diseases
- Applied PCA, uMAP, t-SNE, k-Means Clustering, and large scale randomizations
- Earned Summer Undergraduate Research Fellowship for 2023 Summer

**Columbia Systems Biology Initiative**, Columbia University, NY Sep. 2022- Present  
*Expo and Social Media Lead*

- Research and recruit faculty and professionals to present on computational biology-focused panels
- Create social media posts to market the club workshops and panels on a weekly basis
- Present progress towards event planning at weekly board meetings

**iResearch Institute**, Virtual Jul. 2021–Aug. 2021  
*Independent Researcher*

- Identified eight possible genes and five possible genetic pathways that could cause Essential Tremor
- Used Differential Gene Expression, Gene Set Enrichment Analysis, and ML techniques
- Processed data, removed outliers, normalized to prepare for analysis

### LEADERSHIP EXPERIENCE

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**Lee's Martial Arts Academy**, Brandon, MS Aug. 2017–Aug. 2022  
*Certified Taekwondo Instructor*

- Taught and motivated over 200 K-12 students kicking, blocks, forms, and self defense techniques
- Trained and supervised assistant instructors on how to work with students and follow academy protocols
- Led multiple one hour classes of 20-25 students throughout the week

### HONORS

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Jack Kent Cooke Scholar, only student in MS to earn award, awarded up to 55k per year (2022)

International Science and Engineering Fair Finalist (2022)

National Junior Science and Humanities Symposium Oral Presenter (2022)

National Science Bowl Competitor, team placed 37th in the USA (2022)

### ORGANIZATIONS

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**Columbia Science Review**, Writer (2022–present)

**Columbia Taekwondo Club**, Board Member and Equipment Chair (2022–present)

**Illuminating the Human Transcriptome TA**, help high schoolers learn laboratory techniques (2023-present)

**Student Government**, (2017-2022), President (2018-2022)

**Math Tutor**, (2018-2022), helped three students transition from failing to passing

**Inorganic Chemistry Research Assistant**, University of Mississippi (2021)