Nicholas Le Djedjos

New York, NY | nicholas.djedjos@columbia.edu | https://reformist.github.io/| https://github.com/reformist

EDUCATION

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, Advanced Programming, Linear Algebra, and Multivariable Calculus

SKILLS

Python, C, C++, Java, R, Javascript, GitHub, React.js, Flask, Linux/Unix, HTML, CSS, and Microsoft Office

COMPUTER SCIENCE EXPERIENCE

Computational Biology at the Tavazoie Lab, Columbia University, NY   Feb. 2023-Present
- Developing clustering techniques to repurpose pharmaceuticals for new diseases
- Applying PCA, uMAP, t-SNE, k-Means Clustering, and large scale randomizations
- Earned Summer Undergraduate Research Fellowship for 2023 Summer

Software Engineer Intern at StudentStay, New York, New York   Sep. 2023-Present
- Developing backend for dynamic website with Node.js
- Creating a faster data retrieval process with Firebase
- Collaborate with frontend developers to ensure seamless integration of frontend and backend systems

easytrials, Massachusetts Institute of Technology, Massachusetts   Sep. 2023
HackMIT
- Developed a dynamic chatbot to locate clinical trials faster
- Full-Stack development with React.js and Flask
- Queried clinicaltrials.gov API

Pick.le, https://pickle-5247.twil.io/index.html   Jul. 2023
- Created a dynamic tool that updates a website based on text images
- Developed serverside API on Twilio with Javascript
- Fetched JSON results and integrated into UI

iResearch Institute, Virtual   Jul. 2021–Aug. 2021
- 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

Emerging Scholars Teacher Assistant, Columbia University, NY   Aug. 2023-Present
- Teach basics of Algorithms, NLP, ML, cybersecurity, ethics, and other CS topics
- Facilitate class discussions and problem-solving in small groups
- Update course material based on cutting edge technologies

Sparring Captain, National Taekwondo Competitor, Instructor   Aug. 2017–Present
- Teach and motivate over 250 K-12 and college students kicking, blocks, forms, and self defense techniques
- Lead Columbia Taekwondo Sparring team with sparring drills, coaching, and exercises
- Board member and equipment manager and help organize socials for Columbia Taekwondo

HONORS

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

Columbia Organization of Rising Entrepreneurs, Organizational Committee Member (2023-present)
Systems Biology Initiative, Expo Lead (2022-present)
Illuminating the Human Transcriptome TA, help high schoolers learn laboratory techniques (2023-present)
Math Tutor, (2018-present), helped three students transition from failing to passing