Daniel Johnson

JohnsonTexas.com

Aspiring Neural Engineer · Neuroscience + Computer Science or Behavioral & Cognitive Neuroscience

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EDUCATION

Strake Jesuit College Preparatory · Houston, TX — Expected May 2027
GPA (after junior year): 4.07 weighted · 3.81 unweighted
AP Scores: Microeconomics 4 · Macroeconomics 4 · English Language 4 · Physics 1 4 · Psychology 4
Senior Coursework (2026–27): AP English Literature, AP Biology, AP Computer Science A, AP Calculus AB, AC Linear Algebra & Applications
Completed Coursework: AP Psychology, AP Physics 1, AP Macroeconomics, AP Microeconomics, AP English Language & Composition, AC Chemistry 1, AC English 2, Mandarin 1, 2 & 3, Digital Graphics
Honors: National Honor Society · Highest Honors · Principal's Honor Roll · Endorsements in STEM, Arts & Humanities, and Multidisciplinary Studies

RESEARCH

Parkinson's Disease & the Gut-Brain Axis · Advanced Medical Neuroscience Internship, Georgetown — Jul 2026

- Co-authored a research proposal modeling LPS-driven alpha-synuclein misfolding along the gut-vagus-brain pathway in Parkinson's disease, using gut-brain assembloids. **johnsontexas.com/research/parkinsons**
- Presented the proposal to a panel including Dr. James Giordano (Chief, Georgetown Neuroethics Studies) and Dr. Rachel Wurzman
- Hands-on brain dissection, tDCS neuromodulation in Dr. Adam Green's Lab for Relational Cognition, and fMRI at Georgetown's CFMI

Fruit Fly Connectome Modeling · Independent Computational Neuroscience — 2026 – Present

- Building computational models on the real wiring diagram of the Drosophila brain to explore how neural circuits produce behavior
- Currently training an AI model from scratch using fly brain connectome diagrams as its architecture and data

EXPERIENCE

BetterU LLC · Co-Founder & Co-CEO · BetterULLC.com — Apr 2024 – Present

- Co-lead a three-person app development startup; shipped BetterU Social Fitness and SnapShot Assassin to 300+ users
- Run Apple Developer publishing, operations, and legal; registered the company as an LLC in August 2025
- Run marketing across Instagram and TikTok (@betterullc, @betteruapp, @snapshot.app, @cogtracker), reaching 100K+ total views

PROJECTS

CogTrack · BetterULLC.com/cogtrack — Pre-launch, iOS

- Cognitive tracking app pairing a daily check-in (sleep, mood) with one-minute, millisecond-accurate tests of reaction time, inhibition (Go/No-Go, Stroop), working memory (N-Back), and sustained attention
- Charts results over time against age-group ranges; separate practice modes with leaderboards keep training from skewing measured trends

StudyFox · studyfox.org · Creator

- Free, ad-free study platform with courses across core and AP subjects, flashcards, and an SAT/ACT question bank
- Run its Instagram and TikTok (@studyfoxapp), reaching 13K+ total views

BetterU Social Fitness · BetterUAI.com — 2025 – Present

- Social fitness app with AI meal plans, calorie and macro tracking, a public feed, group workouts, and meditation plans

SnapShot Assassin · BetterULLC.com/snapshot — 2025 – Present

- Social game where friend groups try to catch each other completing tasks on camera

JohnsonTexas.com · Personal Portfolio — 2023 – Present

- Portfolio built from scratch showcasing research, projects, and background

LEADERSHIP & ACTIVITIES

House Captain · Faber House — Aug 2026 – Present

- One of the student leaders of Faber House; plan and promote house events and write house-wide emails to rally participation

Cross Country & Track and Field · Senior Leader, Varsity XC 2026 — 2023 – Present

- Lead by example in training and mentor younger runners as a senior on a team that trains year-round

President · Gaming Tournament Club — Aug 2025 – Present

- Organize gaming tournaments that raise money, with proceeds donated to charity

President · SJ App Club — Aug 2026 – Present

- Teach members how to design, build, and publish mobile apps, drawing on my experience shipping apps at BetterU

Vice President · AI Development Club — Aug 2025 – Present

- Lead discussions on how AI is used and the ethical questions it raises

Member: Divine Mercy Society · Philosophy Club · Athletes Taking Action · Hispanic Student Union · Formula 1 Club

SKILLS & INTERESTS

Languages: English (native) · Spanish (heritage speaker) · Mandarin (basic)
Technical: HTML, CSS, JavaScript, React Native, Swift, Roblox Studio, Unreal Engine, app and web design, digital graphic design
Interests: Chess, personal fitness, running, photography, game design, and self-study in psychology, biology, theology, philosophy, and history