PERI OZTEKIN

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PROFILE

High school student pursuing an accelerated, neuroscience-focused academic program through Florida Virtual School, supplemented by university-level coursework from HarvardX and a competitive clinical neuroscience immersion at Stanford. Long-term interests center on systems and clinical neuroscience, brain-computer interfaces, and the translation of neuroscience research into accessible educational content. Strong record of independent, self-directed learning with sustained commitment to advanced STEM and brain science.

EDUCATION

Florida Virtual School (FLVS Flex) **Fall 2025 – Spring 2026**

Cumulative Unweighted Grade Point Average: 4.00/4.00

- Accredited statewide public virtual school providing graded instruction and official transcripts.
- Coursework completed at FLVS Flex: Honors Chemistry (A), Honors Physics (A), Honors English 1 (A), Honors World History (A), Honors Algebra 2 (A), French 1 (A). All courses S1 and S2 semester averages: 100.
- Ongoing coursework at FLVS Flex: Honors Economics (A), Honors English 2 (A), Honors Personal Finance and Money Management (A), Honors United States History (A), Honors United States Government (A), French 2 (A).

Falcon Cove Middle School (Broward County Public Schools) **Fall 2022 – Spring 2025**

Cumulative Unweighted Grade Point Average: 4.00/4.00

- Public middle school in Broward County offering accelerated honors coursework with high-school credit available to qualifying students in 7th and 8th grade.
- Coursework completed at Falcon Cove: Honors Biology (A), Honors Algebra 1 (A), Honors Geometry (A), Honors Advanced IT (A), Honors Foundations of Web Design (A), Introduction to Drama (A). All courses Q1–Q4 quarter averages: 100.

Florida End-of-Course (EOC) Assessments **May 2024 – May 2025**

Florida statewide assessments | All passed at Level 5, the highest achievement level on the Florida scale.

- Algebra 1 EOC: scaled score 469, Level 5 (of 5) (May 2024). Satisfies the Florida Algebra 1 assessment requirement.
- Geometry EOC: scaled score 452, Level 5 (of 5) (May 2025). Supports Florida Scholar Designation.
- Biology 1 EOC: scaled score 474, Level 5 (of 5) (May 2025). Supports Florida Scholar Designation.

Florida Standard Diploma Progress **Class of 2029**

Florida Department of Education | On track for Florida Scholar Designation and Florida Merit Designation

- Florida Scholar Designation — completed components: Algebra 2 Honors (rigorous mathematics), Geometry EOC at Level 5 (of 5), Biology 1 EOC at Level 5 (of 5), Chemistry 1 Honors, Physics 1 Honors. Pending: Statistics or equally rigorous math credit, U.S. History EOC, second world-language credit (French 2 in progress), one AP / IB / AICE / dual-enrollment credit.
- Florida Merit Designation — Industry Certification requirement: complete (three Information Technology Specialist certifications listed below).

Individualized, neuroscience-focused honors-track academic program

HarvardX – MicroBachelors® Program in Introduction to Neuroscience **Spring 2026**

Harvard University Online (edX) | University-level, four-course sequence

- Completed Fundamentals of Neuroscience, Part 1 (Electrical Properties of the Neuron), Part 2 (Neurons and Networks), Part 3 (The Brain), and Part 4 (Proctored Final Exam) — all four certificates earned.
- Coursework spans cellular and molecular neuroscience, action potentials, synaptic transmission, neural circuits, sensory systems, neuromodulation, and the consequences of brain injury.
- Develops analytical reasoning, quantitative interpretation of neuroscience data, and problem-solving skills at the college level; culminates in a proctored final exam with eligibility for transferable college credit.

Stanford University – Clinical Neuroscience Immersion Experience (CNI-X) **Summer 2025**

Department of Psychiatry & Behavioral Sciences | Two-week intensive summer program

- Selected through a highly competitive admissions process; participated as the youngest student admitted to the cohort as a rising freshman.
- Engaged directly with Stanford medical faculty across topics in neuroscience, clinical neuropsychiatry, neuroscience research methodology, psychiatric epidemiology, and behavioral and social sciences.
- Co-developed A.R.A.I.A., a six-person team capstone project: an AI-powered aphasia rehabilitation application designed to deliver personalized, evidence-based speech therapy to stroke survivors, integrating clinically-supported therapy techniques with adaptive AI and accessibility-first design. Contributed equally with team members across research, design, and presentation; final project presented to Stanford faculty, staff, and families.

CERTIFICATIONS & VERIFIED CREDENTIALS

- **HarvardX – Fundamentals of Neuroscience, Part 1:** The Electrical Properties of the Neuron (Certificate: February 2026)
- **HarvardX – Fundamentals of Neuroscience, Part 2:** Neurons and Networks (Certificate: March 2026)
- **HarvardX – Fundamentals of Neuroscience, Part 3:** The Brain (Certificate: March 2026)
- **HarvardX – Fundamentals of Neuroscience, Part 4:** Final Exam (Certificate: March 2026)
- **Stanford University:** Clinical Neuroscience Immersion Experience (July 21 – August 1, 2025) (Certificate: August 2025)
- **Information Technology Specialist – Python:** Certiport / Pearson VUE (May 2, 2025).
- **Information Technology Specialist – Device Configuration and Management:** Certiport / Pearson VUE (June 2, 2025).
- **Information Technology Specialist – HTML and CSS:** Certiport / Pearson VUE (May 8, 2024).

RESEARCH & INDEPENDENT PROJECTS

NEUROSENSE — Source-Locked Neuroscience Education Pipeline **Ongoing**

Independent research and content design project

- Designed a three-layer educational content pipeline that translates peer-reviewed and primary-source neuroscience material (drawing on Huberman Lab Podcast transcripts) into age-appropriate, engaging short-form content for younger learners.
- Pipeline architecture enforces scientific fidelity through atomic claim extraction with timestamps, constrained vocabulary simplification that preserves causal and temporal logic, and annotated metaphor layers with explicit transformation notes.
- Goal: support neuroscience literacy in pre-college audiences without compromising mechanistic accuracy — directly relevant to translational science communication.

Independent Reading in Neuroscience & Brain Plasticity **Ongoing**

- Sustained independent reading across systems neuroscience, neuroplasticity, sleep and circadian biology, and the neurobiology of learning — building foundational fluency for journal-club discussion of neuroscience literature and engagement with Grand Rounds-style clinical research presentations.

SKILLS & COMPETENCIES

- **Neuroscience knowledge:** Cellular neuroscience, neuronal electrophysiology, neural circuits, sensory systems, neuromodulation, fundamentals of clinical neuropsychiatry.
- **Scientific reasoning:** Reading and interpreting primary research literature, evaluating experimental design, integrating mechanistic concepts across cellular, systems, and behavioral levels.
- **Quantitative & technical:** Programming and algorithmic reasoning developed through extracurricular IMACS coursework and validated by professional ITS certifications in Python, Device Configuration and Management, and HTML & CSS; comfort with quantitative neuroscience data interpretation.
- **Communication:** Strong English writing and oral expression; conversational French (FLVS French I–II); experience presenting collaborative work to Stanford faculty at CNI-X.
- **Work habits:** Independent, self-directed learner under a non-traditional academic structure; proven ability to manage rigorous coursework and externally validated programs in parallel.

ACTIVITIES & LEADERSHIP

Institute for Mathematics and Computer Science (IMACS) **Elementary – Middle School**

- Multi-year extracurricular coursework in mathematics, formal logic, and computer science, building foundational algorithmic and programming skills.

Broward Literary Fair **Middle School**

- 1st place at both school and county levels, three years in a row. Original creative writing recognized in district-wide competition.

Peer Counseling **Middle School**

- Trained peer counselor — active listening, mediation, and supporting fellow students.

National Junior Honor Society (NJHS) **Middle School**

- Member — contributing to school-based community service initiatives and academic mentoring.

YouTube Content Creator **Ongoing**

- Educational content: short-form videos focused on accessible explanation of complex topics, aligned with the NEUROSENSE pipeline and broader neuroscience outreach.
- Arts, crafts, and graphic design: original creative projects — drawings, illustration, crocheting, and graphic-design experiments — shared as a parallel channel.

Piano **Ongoing**

- Long-term piano studies since first grade.

Taekwondo — American Tigers Martial Arts (High Red Belt) **Ongoing**

- Multi-year practice — discipline, sparring, focus.

Leadership in Training (LIT) Camp **Summer**

- Counselor-in-training program at the YMCA leadership summer camp — teamwork, mentorship, and community-service projects.