

# NATAN CORESH-CHIAPPORI

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## EDUCATION

April 2024 - Present **MORGAN STATE UNIVERSITY**, GPA: 3.83 (current, expected)

**Masters in Applied Neuroscience (Thesis Track, Partially-Funded Academic Scholarship)**

- Coursework - Computational Brain Data Analysis, Learning and Cognition, Statistical Methods, Molecular & Behavioral Neuroscience, Scientific Communication & Ethics.
- At Johns Hopkins University: Epidemiologic Inference in Public Health I

**2019-2022 UNIVERSITY OF MARYLAND COLLEGE PARK**

**B.A. in Economics with a minor in General Business, June 2022**

- Coursework - Game Theory, Calculus, Intro to Psychology, Macro & Micro Economics.
- Maryland Men's Rowing - Varsity 1V Rower (1st Boat)

## RESEARCH & WORK EXPERIENCE

**RESEARCH COORDINATOR & LAB TECHNICIAN - NEUROBIOLOGY OF STRESS LAB**

**MORGAN STATE UNIVERSITY | December 2024 - Present | Baltimore, MD**

- Implemented a computer-mediated Cyberball model to examine how interactive game dynamics influence users' behavioral, affective, and physiological responses (NIMHD 2024).
- Testing a machine learning-based visual tracking model (SLEAP) for mouse behavior.
- Maintaining and coding 90's era lab hardware/software (MEDPC Programming Language) used in physiological and behavioral studies, ensuring reliability for data collection.

**BUDGET ANALYST/LM DEPLOYMENT - OFFICE OF RESEARCH ADMINISTRATION**

**MORGAN STATE UNIVERSITY | April -December 2024 | Baltimore, MD**

- Fine-tuned and piloted a custom Language Model to assist Principal Investigators in navigating complex grant submission requirements.

**FULL-TIME CONSULTANT/BUSINESS ANALYST**

**INTELLECT CORPORATION | April -December 2024 | Baltimore, MD**

- Conceptualized and led development of a low-cost cloud-based Asset Tracking App using Google AppSheet.
- Collaborated with a remote developer to implement and deploy the system, resulting in recovery of \$10,000+ in company equipment through insurance claims.
- Devised an out-of-the-box Project Management solution and unique web forms saving 1000+ hours of company time and increasing customer trust. Having a lasting effect on operation

**INTERN**

**GINGER SOFTWARE | June -August 2019**

- Developed and presented a deep competitive analysis using Software Testing and Market Data for Ginger's cutting-edge Grammar API.

**RESEARCH FOR DR. ADAM KALAI**

**2020-2021**

- Working for Dr. Adam Kalai, Senior Researcher at Microsoft Research – I evaluated Dotsies, a new alphabet system focused on chunking rather than letter-by-letter reading.
- (In-Process) Coresh-Chiappori, N., Boyer, T., A.R. Sharrett, I. Tulloch (2025). "Hypertension and Sustained Attention Across the Adult Lifespan: Evidence from the All of Us Research Program Including 18,996 Participants"
- (In-Process) Coresh-Chiappori, N., Chen, Y. C. (2025). "The Current State of Stem Cell Therapies for Neurological Disorders: A Meta-Analysis of Cell Types, Risks, and Translational Outcomes"
- (Submitted) Designing Dignity: An AI Tool for Independent Aging in Germany

## PUBLICATIONS & PROPOSALS

## SCHOLARSHIPS, GRANTS & AWARDS

- \$5,000 Independent Research Grant - Exploring Human-AI Intimacy
- Emory School of Medicine AI Datathon (2025) – 1st Place Winner; led cross-national team, developing a data project about bias in Medical Imaging embeddings [-Link to Presentation-](#)
- Cloud Computing Grant for the All of Us Dataset Training Academy at RTI (award 2U54MD013376-06A1) Slides
- Morgan State Graduate Academic Scholarship.
- Maryland Rowing - Doubles Gold Medalist.

## SKILLS & LANGUAGES

**SKILLS:** Python, Scientific Writing, Mixed Methods Research, Human Study Design.

**LANGUAGES:** English, Spanish, German.

**CERTIFICATIONS:** Deep Learning on Coursera, Skipper for Cross-Atlantic Boat Sailing. **BLOG:** [www.thewhylab.blog](http://www.thewhylab.blog)