GEORGE CHATZISOFRONIOU

Clinical Psychology and Computer Security Researcher

EXPERIENCE

Name of Employer: Mayo Clinic, Jan 21, 2019 - Aug 1, 2025
Job Title: Principal Security Engineer
Duties:

- Led the penetration testing service line.
- Specialized in clinical information security, including security testing of medical devices and healthcare systems.
- Conducted AI-driven research to detect indicators of Bipolar I disorder.
- Provided expertise on AI security and safety risks.
- Undertook complex projects requiring specialized technical knowledge.
- Engaged with clinical areas, business areas, IT Department, and vendors as an information security liaison.
- Offered leadership, training, and mentorship to junior staff in cybersecurity.

EDUCATION

University of Piraeus - BSc, Computer Science, Sep 10, 2009 - Dec 12, 2017
Grade: 8.02/10
Activities: Founding Member of Information Security Group "Black Duck". Member of "Software Libre Society".

University of Piraeus - Doctor of Philosophy - PhD, Computer Science, 2019 - 2025
Grade: Excellent
Researched security on wireless protocols and digital phenotyping.

University of Louisiana - Doctor of Philosophy - PhD, Clinical Psychology, 2025 - 2030 (Expected)
Using computational and mathematical models to investigate cognitive, behavioral, and neurobiological mechanisms in serious mental illness (SMI). Translating computational findings into quantitative tools and interventions to improve diagnosis, prognosis, and treatment outcomes in SMI.

NOTABLE PRESENTATIONS & PUBLICATIONS

- **‘‘Assessing the Security Risks of Medical Mobile Applications**”, ICTS4eHealth (2023)
- “**Computational Analysis of Spoken Language**” Poster Presentation at Mayo Clinic AI Summit (2024)
- “**Computational Analysis of Spoken Language**” Poster Presentation at Technology in Psychiatry Summit (2024)
- “**Automated Speech Analysis in Bipolar Disorder: The CALIBER Study Protocol and Preliminary Results**”, Journal of Clinical Medicine (2024)
- “**Security and Privacy Implications of AI-driven Digital Phenotyping**”, HAISA (2025)

PROJECTS

Egothatobserves.com
Sharing insights and articles on the intersection of artificial intelligence and clinical psychology.