Leonardo Ferrisi

Scientific Research and Software Engineering

Schenectady, NY 12308
ferrisil@union.edu / 914 - 646 -8699

www.leonardoferrisi.com
linkedin.com/in/leonardo-ferrisi/
github.com/LeonardoFerrisi

Summary:

Motivated professional offering a diverse skill set in both Scientific Research, Software Engineering and the intersection of the two. Adds value to any organization in need of great collaboration, interpersonal and multitasking abilities. Meets tight deadlines. Rapid learner. Striving for nothing less than excellence in the endeavors I embark on.

Education: *09/2019 - Current*

BS Double - Neuroscience / Computer Science
Union College Class of 2023

Skills:

- Software Development and Design
- Design and Operation of **Brain Computer Interfaces**
- Signal Processing
- Teamwork, Collaboration, Team Leadership
- Data Collection and Analysis
- Technology Repair
- Artificial Intelligence and Machine Learning
- Scientific Research, Technical Writing
- Operating Systems: Windows, MacOS, Linux

- Fluent in: Python, Java, Java script, C, C++, R
- High Performance Computing / Parallel Computing
- Graphic Design
- Computational Neuroscience
- GIT and Version Control tools
- Video Production and Editing (Adobe, Vegas Pro)
- Task Automation
- Multitasking and Organization
- Project Planning
- Robotics Software Design

Experience:

Digital Technology Intern   *06/2022 - Current*
GE Power - Schenectady, NY

- Collaborated with Technical Product Manager and other Upper-Level Management at GE Gas Power automate analytics backed decisions, problem resolution and applying software solutions to GE Power

Neurotechnology Researcher   *11/2021 - Current*
National Center for Adaptive Neurotechnologies - Albany, NY

- Assisted with developing error handling and optimization of a system designed for rehab using evoked potentials conditioning
- Worked on updates and optimization of Brain Computer Interface for assistive communication
- Developed data science tools for quickly working with / processing data from sessions

Student Research Technician   *08/2021 - Current*
CAM Lab, Union College - Schenectady, NY

- Worked with Professors and faculty regarding technical aspects of psychology research
- Compiled and organized resource data

Student Research Assistant   *02/2021 - 06/2021*
Feller Lab, Union College - Schenectady, NY

- Assisted in research regarding Neurophysiology in invertebrates, both collecting and studying microCT data from samples
- Developed documentation on lab related software

Digital Content Producer   *09/2020 - 02/2021*
The BCI Guys, Remote

- Contributed to content and video production for Foundations in Neurotechnology online course

Accomplishments:

- **Dean's List**, Union College 2021 - Current
- **Nu Rho Psi**, Union College 2021 - Current
- **Summer Research Fellow**, Union College 2021
- **NY State Presidential Scholar** Nominee, 2019
- **National Hispanic Recognition Award**, College Board 2019

Additional Skills:

- Proficient in Italian, English, Spanish

Leadership Experience:

- **Founder, President**, Union Neurotech (www.unionneurotech.com)   *09/2020 - Current*
- **Co - President**, Union Rocket Club   *09/2020 - 06/2022*
- **Council Chair**, Minverva Program   *03/2020 - 03/2022*
- **Board Member**, LASO (Latin American Student Organization)   *09/2021 - 01/2022*
- **Founder, President**, MARS (Mamaroneck Aeronautics and Rocketry Society)   *09/2017 - 06/2019*