Nicholas T. Masso

[Contact for additional info]
www.nickymasso.com | United States Citizen

Education

Purdue University - West Lafayette, IN   *Aug. 2017-May 2021*
Bachelor of Science in Aero and Astro Engineering Honors
Minor in Computer Science, Minor in Mathematics.

Awards/Certifications

Purdue Dean's List (2018-2021), Level 1 High Power Rocketry, HAM Radio General License.

Skills

Project Management MS Suite, Jira, Confluence, Trello, GitLab Documentation LaTeX, Omnify PLM, Wiki, Doxygen
Software Development Python, C, C++, Java, Haskell, JS, React, Flask, Docker, K8s, MATLAB, Simulink, LabView Modeling
SolidWorks, CATIA, Autodesk Inventor/Fusion, Blender, Eagle, Blender Visuals Unreal Engine, Unity, OpenXR, VVVV, TouchDesigner,
Hydra, Adobe Suite Aerospace FreeFlyer, Xfoil Industrial Robots Universal, Fanuc, Staubli, Denso, RealMan Shop Safety, hand
tools, soldering, CNC laser/router/machine/lathe

Work Experience

SRI International - Menlo Park, CA   *Oct. 2021 – Present*
Software Engineer

> SinFini Chemistry Automation: Full stack, maintaining software and hardware on industrial robotics to the scalable web platform that runs them. Getting feedback from users of internal tools and improving UI for a chemistry database and experiment management system.
> Taurus/XRGo: Adding support for new 6-axis arms for our teleoperation software platform. Adding interfaces for AI training and operation. Developing new VR training simulations in Unreal Engine for internal and external use.

Resilient Extra-Terrestrial Habitat Institute - Purdue University   *Feb. 2020 – May 2021*
Undergraduate Researcher

> Project: Creating a MATLAB/Simulink model for the Lunar meteorite impact environment for use in RETHi's habitat simulation. Two phases presented in Spring and Fall 2020.

Rotorcraft Aeromechanics - NASA Ames Research Center   *Jun. 2019 – Aug. 2019*
Software Engineering Intern

> Project: Created a Python module for statistical processing of NFAC wind tunnel data, to replace a 20-year-old predecessor. Results documented in NASA report.

Introduction to Honors Engineering - Purdue University   *Aug. 2018 – May 2021*
Teaching Assistant: physics, programming, and engineering concepts

References

Alison Polkinhorne, Assoc. Director, SW Transition, SRI International
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Timothy M. Whalen, PhD, Associate Director, College of Engineering
765.494.4473 | whalen@purdue.edu
Surjit Chhokar, Robotics Lab Manager, SRI International
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