

Nicholas T. Masso

nmasso@protonmail.com [Contact for phone and address]

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 **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

650.859.4515 | alison.polkinhorne@sri.com

Timothy M. Whalen, PhD, Associate Director, College of Engineering

765.494.4473 | whalen@purdue.edu

Surjit Chhokar, Robotics Lab Manager, SRI International

650.859.5409 | surjit.chhokar@sri.com