LISKE

ACCIDENT & INJURY EXPERTS

CURRICULUM VITÆ

JACOB WILLIAMS

"Jacob Williams is a highly skilled mechanical engineer who specializes in additive manufacturing. With extensive experience in CAD and PLM, as well as additive manufacturing machine and material optimization and qualification, Jacob is a true expert in his field."

B.Sc. Mechanical Engineering

1. BIOGRAPHY

Jacob Williams is a highly skilled mechanical engineer who specializes in additive manufacturing. With extensive experience in CAD and PLM, as well as additive manufacturing machine and material optimization and qualification, Jacob is a true expert in his field.

Jacob serves as a Mechanical Engineer and Product Development Lead within the Product Research and Development group at a stealth-mode startup. In this role, Jacob leads product development operations and supports business development to launch novel electromechanical products in both consumer and professional swim lanes. He conducts feasibility assessments and PFMEA evaluations, leads the initial design work and prototype development, supports systems integration, and leads systems testing. He also supports firmware and software development, as well as business development operations in presenting product development progress to executive teams and customers. Prior to that, Jacob served as project lead for all NASA programs at the ASTM International Additive Manufacturing Center of Excellence, where he led cooperative efforts with NASA to qualify additive manufacturing hardware for use in space applications. He also served as Technical Chair and Project Manager for the NASA/ASTM Workshop, "In-Situ Technology Readiness for Applications in AM Qualification and Certification" and served as Project Manager for the In-Situ Monitoring Symposium at the 2022 International Conference on Additive Manufacturing. Additionally, Jacob planned and executed advanced design for additive manufacturing (DfAM) courses and worked with ASTM executive leadership to write proposals for multimillion-dollar project calls.

Prior to his work at the ASTM International Additive Manufacturing Center of Excellence, Jacob worked at Northrop Grumman Corporation from 2017 to 2022. As a Manufacturing Engineer and R&D Project Lead within the Additive Manufacturing Engineering Department, Jacob led multiple multidisciplinary teams to develop new additive manufacturing and hybrid manufacturing capabilities for RF applications. He also served as product owner for MRL 4-5 RF and Electrical applications, served as CAD/CAM expert, and developed tools to automate MES and production planning operations. Within the Mechanical Technology Department, Jacob designed complex assemblies in the development of several radar systems in both R&D and production, including thermal solutions, radiator assemblies, CCAs, enclosures, and more. Furthermore, Jacob led design and integration efforts to enable automated electronics fabrication.

Jacob received his Bachelor of Science in Mechanical Engineering from the University of Maryland. Jacob has led research that resulted in several intellectual property awards, innovation awards, and trade secrets. He has also led work that was published in technical journals and has presented regularly at technical

conferences, symposiums, and executive briefings.

Jacob Williams is a highly skilled mechanical engineer with deep expertise in additive manufacturing. His work at the ASTM International Additive Manufacturing Center of Excellence and Northrop Grumman Corporation has been highly regarded, and his contributions to the field of mechanical engineering have been significant.

Click here to request the full CV of Jacob Williams