Johnathan Reed

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Location: Chicago, IL, USA

EDUCATION

Bachelor of Science in Mechanical Engineering

University of Illinois at Urbana-Champaign (2016 – 2020)

SKILLS

SolidWorks, AutoCAD, MATLAB, Python, FEA, CNC Machining, Communication, Team Leadership, Project Management

EXPERIENCE

Mechanical Design Engineer — Innovexa Robotics, Chicago, IL

June 2021 – Present

• Led the mechanical design of automated robotic arms for industrial clients

• Collaborated cross-functionally with software and electrical teams

Junior Engineer — Swift Manufacturing Solutions, Chicago, IL

Aug 2020 – May 2021

• Assisted in prototyping and testing new parts

• Maintained documentation for manufacturing specifications

PROJECTS

Smart Fan Design Optimization

• Applied CFD and FEA tools to improve cooling performance

3D-Printed Drone Chassis

• Designed and built a lightweight chassis for UAV using PLA and ABS