
Meshing Software Engineer

Expertise Software Engineering, Geographic Information Systems, Computer-Aided Design

Education B.S. (Computer Science), 2024
University of Minnesota Duluth

Professional Experience

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| 2024 – Present | ITASCA Minneapolis Meshing Software Engineer |
| 2023 – 2023 | Johnson Outdoors: Lakemaster, Little Falls, Minnesota GIS Intern |

Project Experience

Design Bathymetric Charts for Bodies of Water: Created detailed bathymetric maps for boating, fishing, and other recreational activities. With a worldwide presence, precisely surveyed data was measured and implemented into geographic information technologies with the intent to measure water depth, ground structure, and shaded relief, while also investigating seasonal patterns.

Turbine and Centrifugal Pump Design and Description: Designed and assembled using SolidWorks CAD software while individually drawing and modeling each part. Provided written descriptions including functionality, limitation, and safety concerns while completing a design of a functional machine.

Android Application for an Online Database: Developed an application to query and search an online Amazon database of undergraduate computer science books. Used to help compare book editions, prices, authors, etc.