MAVERICK BERKLAND

SOFTWARE ENGINEER | SPACE SCIENTIST

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OBJECTIVE

Passionate Space Sciences Ph.D. candidate and experienced software engineer at Dell Technologies, seeking to leverage my expertise in software development and my deep interest in astrophysics and quantum mechanics to contribute to groundbreaking research and technological advancements in the field of space exploration and science.

EDUCATION

Florida Institute of Technology, Melbourne, FL — In Progress
Ph.D. in Space Sciences

University of Nebraska, Omaha, NE — December 2022
B.S. in Computer Science, B.A. in Mathematics, and B.S. in Physics

RELEVANT EXPERIENCE

- Teacher's Assistant in Physics Lab (Undergraduate Physics 1 and 2)
- Robot manipulation simulators for multiple joints
- Finite element methods applied to wave functions for modeling
- Internal AI Catalog of LLMs routed by Intent Orchestrator
- Version control
- Web design and programming
- Back-end Development
    - Kubernetes
    - Cloudify
- Software testing and documentation

OTHER EXPERIENCE

Software Engineer II — November 2022 – Present
Dell Technologies (Remote), Fort Myers, FL

Software Engineer Internship — July 2021 – November 2022
Tenaska, Inc., Omaha, NE

Teaching Assistant / Research Assistant — Spring 2021, 2024
University of Nebraska, Omaha, NE,
Florida Institute of Technology, Melbourne, FL

NOTABLE PERSONAL PROJECTS

- N-Link Robot Manipulator: Simulation and Control Design
- Wordle™ Solver
- Discord MadLibs™ Bot
- Quiddler™ Solver
    - Hosted: https://mavhawk64.github.io/QuidSolver/QuidSolver.html
- Should I Wear Shorts Today? (Angular Project)
    - Hosted: https://mavhawk64.github.io/should-i-wear-shorts-today/
- Random Monetary Growth Projection Algorithm – Sell at +10% or -5%