

JACOB HAIMES

jacob.d.haimes@gmail.com • linkedin.com/in/jacob-haimes/ • Boulder, CO • (303)-963-6302
portfolio :: jacob-haimes.github.io

Computational Modeling | Optimization | Data Visualization | Automation

A Computational Modeling and Mechanical Engineering graduate experienced in offering information analysis and delivering value through effective data modeling and algorithm development. Analyzes and recognizes data patterns and provides reliable information for accurate decision-making. Looking forward to collaborating with colleagues to solve complex problems and contributing to a robust, value-based organization with a mission to implement responsible and sustainable solutions.

RELEVANT PROFICIENCIES

Strategic Analysis | Data Visualization | Collaborative Problem Solving | Computer Science | Machine Learning
Algorithm Development | Genetic Algorithms | Test Design and Analysis | Technical Writing | Data Modeling
Data Optimization | Qualitative & Quantitative Analysis | Statistical Models | Technical Workshops

ESSENTIAL SKILLS

- **Conscientious and Detail-Oriented.** Structured and orderly with a real pride in and emphasis on quality and accuracy. Loyal, conscientious, and dependable. Known for meticulous attention to detail while managing significantly diverse projects.
- **Stellar Communicator.** Persuasive and articulate communicator, quickly and effectively conveying ideas and information in an influential manner. Develops relationships through active listening, offering support, and creating a sense of connection.
- **Collaboration and Teamwork.** Supportive, collaborative, and able to manage complicated relationships and projects. Values the input of others and engages SMEs when necessary to ensure outcomes align with organizational objectives.

PROFESSIONAL EXPERIENCE

Information Systems Specialist

Highlife Recovery | May 2022 - Present

- Utilize a variety of data sources and methods to research problems and develop recommendations
- Conduct quality assurance audits on vendor imaged documents and ensure that information is indexed correctly
- Managed EHR implementation, including vendor coordination, medical form design, and training
- Assisted in achieving 3-year CARF accreditation for the clinic through IT documentation and processes
- Facilitated prescription automation, redesigned website, and improved 10+ other client and staff workflows

Counselor and Writer

The Adventure Education Company | Spring 2014 - Present

- Create an accepting community through developing relationships and collaborating with other storytellers
- Modify the LARP system over multiple iterations to encourage progress tracking and skill development
- Supervise children from ages 6 - 15 while leading them through an interactive story (LARPing Camp)

EDUCATION & PUBLICATIONS

Master of Science, Computational Modeling - University of Colorado, Boulder

Bachelor of Science, Mechanical Engineering - University of Colorado, Boulder

Member of Engineering Honors Program

Automated Synthesis of Bending Pneumatic Soft Actuators - IEEE · Apr 8, 2022

Stretching the Boundary: Shell Finite Elements for Pneumatic Soft Actuators - IEEE · Apr 8, 2022