David Waite

Software Engineer & Data Scientist

CONTACT INFO

- Centennial, CO
- 720.609.5796
- linkedin.com/in/dgwcsm
- waite.professional@gmail.com

PROFESSIONAL & EDUCATIONAL EXPERIENCE

**TEACHING ASSISTANT
COLORADO SCHOOL OF MINES (CSM)**

- **FALL 2022**

Provided students with assistance by holding office hours, answering questions, giving feedback, and grading assignments and exams.

**UI/UX DEVELOPER ● COBALT, INC.
CSM FIELD SESSION**

- **SUMMER 2022**

Helped to develop a desktop application to be used in a medical setting as a way to improve patients' mental health. Wrote code to connect application to hardware API. Worked with 4 other software engineers, gaining experience in .NET C# and XAML.

**COLORADO SCHOOL OF MINES
BS COMPUTER SCIENCE - DATA SCIENCE**

- **MAJOR PROJECTS**

  - Created a neural network in Tensorflow for recognizing hand-written digits
  - Used Kaggle dataset and classification algorithms to detect risk of heart disease
  - Developed CLUE game, complete with Java GUI, learning many software principles and patterns
  - Used multithreading and mutexes in C to improve efficiency of searching through an array
  - Created interpreter for subset of JavaScript using functional programming in OCaml

REFERENCES

- **DONNA BODEAU**
  Professor at CSM - dbodeau@mines.edu

- **CHRIS CROWLEY**
  Founder & CEO at SomnoHealth Incorporated - (720) 232-900; crowley@cobaltincorporated.com

- **KENT KNIGHT**
  President at Arvada Pump - (303) 669-6542; gkentk@aol.com

TECHNICAL SKILLS

- **Python for Machine Learning**
  - **Clustering**
  - **Regression**
  - **Classification**
  - **Neural Networks**
- **R**
- **MATLAB**
- **C/C++**
- **Java**
- **.NET C#**
- **XAML**
- **SQL**
- **Windows**
- **Linux**
- **RISC-V**
- **OCaml**

SOFT SKILLS

- **Effective Communicator**
- **Strong Work Ethic**
- **Effective Leadership**
- **Constructive Collaborator**
- **Highly Adaptable**
- **Creative Thinker**
- **Critical Thinker**
- **Problem Solver**

ACHIEVEMENTS

- **3.99 GPA at CSM**
- **Graduated Summa Cum Laude**
- **Honor Society at Arapahoe Community College**
- **Silver Palm Eagle Scout**
- **Award-winning Eagle Scout Project**
- **AWANA Citation Award**