Lauren Hyde

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EDUCATION

University of Illinois at Urbana-Champaign
Major: Computer Science; Grainger School of Engineering
Class of 2027

Thomas Jefferson High School for Science and Technology
4.48/4.0 GPA (Unweighted: 4.0)
Class of 2023

Wharton Data Science Academy
University of Pennsylvania
Summer 2022

KEY PROJECTS

COMPUTER SYSTEMS SENIOR RESEARCH LAB: AUTONOMOUS SURFACE VEHICLE (September 2022 – Present)

- Developing back-end web interface for robotic boat that will navigate obstacles autonomously & report motion data to user

WHARTON DATA SCIENCE ACADEMY FINAL PROJECT: FACTORS THAT CONTRIBUTE TO UNDERGRADUATE DEPRESSION (Summer 2022)

- Used statistical analysis and neural network model to analyse data set on factors leading to depression
- Final model was able to predict suicidal ideation with approximately 83% accuracy

EXTRACURRICULARS & AWARDS

- National Merit Finalist & $2500 Scholarship Recipient (2023)
- USACO programming competition - Silver bracket
- Girls Who Math (2022) – Python teacher
- Glasgow Engineering, Math, and Science (GEMS) - President 2022-2023
- German Honor Society (2021-present) – Vice President 2022-2023; Community Service Award, DSD1 Diploma for Fluency
- TJHSST Peer Tutor (2021-2023) – computer science, math & physics
- Schoolhouse.world instructor – math & physics
- Peer tutor in computer science and physics (2021-present)
- Fairfax County Student Tutoring Association (STEM tutoring) (2020-2021)

SKILLS

- Web App Development (Frontend & Backend)
- Mobile (Android) App Development
- Data analytics and modelling
- Data structures & algorithms
- Artificial intelligence
- Computer vision
- Mac & Windows OS
- Computer Aided Design
- Team-oriented work
- Communicating & teaching STEM concepts

RELEVANT COURSEWORK

- Mobile & Web App Development
- Artificial Intelligence 1 & 2
- Computer Vision 1 & 2
- Computer Systems Research Lab
- AP Computer Science A w/ Data Structures
- Discrete Structures
- AP Statistics
- Linear Algebra
- Multivariable Calculus

PROGRAMMING LANGUAGES & TECHNOLOGIES

- Python
- Javascript
- Java
- C++
- R
- HTML
- CSS
- Node.js
- SQL
- Flask
- Vite
- Git/GitHub