# Daniel Yowell

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## Education

**University of Oklahoma** – Norman, OK                                      **08/2021 – Present**
- 3.95 GPA
- Pursuing Accelerated M.S. in Computer Science, CO2025

**Oklahoma School of Science and Mathematics** – OKC, OK          **08/2019 – 05/2021**

## Projects

- **"Stardust" web browser game**                                          **01/2023 – Present**
  - Single-page application similar to Cookie Clicker; used Vue.js framework
  - Implemented user interface and basic game logic
- **Honors research assistant** for Dr. Richard Veras                 **01/2023 – Present**
  - Contributed to research to improve the speed of code compilers using reinforcement learning techniques
  - Wrote Python programs teaching computer optimal tic-tac-toe strategies
- **Sooner Rover robotics team**                                           **08/2022 – Present**
  - Member of autonomous branch
  - Worked on GPS system for rover to detect objects and paths in terrain
- **Nonogram puzzle application**                                        **01/2022 – 05/2022**
  - Developed programs for creating cellular automata based on input files
  - Developed applications to create, display, and solve "nonogram" puzzles
- **Honors research assistant** for Dr. Jonathan Stalling          **01/2022 – 05/2022**
  - Worked on project designing "cognitive city" software to help students learn to write Chinese Jueju poetry
  - Wrote Java program to filter certain English words from online database

## Clubs

- **Executive Chair** – Computer Science Student Board (CSSB)          **08/2022 – Present**
  - Helped plan events for the Computer Science department at OU
- **Mentor** – Dean's Leadership Council (DLC)                         **08/2022 – 12/2022**
  - Assisted freshman engineering students in adjusting to campus
- **Member** – Society of Asian Scientists and Engineers (SASE), OU AI/ML Club     **08/2021 – Present**

## Skills

- Proficient in Java, Python, C, C++, HTML, CSS, LaTeX
- Proficient in 3D modeling software (Blender)
  - Founded interest group for 3D modeling in high school
- Experience with GitHub, Docker, Vue.js, Nano, VirtualBox, basic Windows/Unix commands
- Languages: English (native), Chinese (conversational)

## Honors

- National Merit Scholar                                                 **08/2021 – Present**
- Honors College member                                                 **08/2021 – Present**
- Qubit x Qubit certificate of completion                                     **04/2022**
  - Year-long IBM-sponsored online course for quantum computing
- Governor's Scholar Award                                                      **08/2020**