

# Daniel Gibson

## Education

**Taylor University | Upland, IN – expected May 2022**

B.S. Computer Science/Systems with Minor in Mathematics | 3.80 GPA

## Experience

**Taylor University | Upland, IN | Personnel Assistant**

*August 2020 – Current*

- Work to cultivate a healthy community on my residence hall floor
- Organize events and activities that help initiate community while also working to uphold COVID-19 guidelines
- Maintaining a presence in students' lives and helping them to feel welcome in our community while also offering personal support

**Taylor University Computer Science Department | Upland, IN | Teaching Assistant**

*August 2019 – Current*

- Teaching assistant for Computational Problem Solving and Data Structures and Algorithms
- Help in lab sessions of 15-20 students to define problems and explain basic problem solving concepts
- Help students understand advanced projects and concepts, such as linked lists, runtime and memory analysis, and K-D trees

**Class Projects | Upland, IN**

*August 2018 – January 2021*

- Worked on a church management software project called Corpus Christi; helped expand feature set and front-end and back-end capability
- Developed a full stack web application using Vue.js
- Created a data visualization dashboard using Observable analyzing which factors have the greatest impact on children's education
- Made a Java pathfinding search algorithm using A\* search that finds the lowest cost path between two points
- Designed an AI to play the game Battleships and adapt to an opponent's strategies

**First Robotics Competition | Saint Louis, MO**

*September 2014 – May 2018*

- Four years of experience on a high school robotics team in the First Robotics Competition (FRC), including two years in the electrical development division, two years as the head programmer, and one year as the team Co-Captain
- Gained experience, not only in programming and leadership, but also in working with different parts of a project and communicating with other teams

## Contact Information

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[dangibsoncs.com](https://dangibsoncs.com)

## Programming Languages

Java, C, C++, Python, HTML,

CSS, JavaScript, SQL, Vue.js

## StrengthsFinder Top 5

1. Belief
2. Connectedness
3. Individualization
4. Analytical
5. Strategic

## Volunteer Experience

Church Preschooler Ministries  
(2013-2018)

Dominican Republic Missions  
Trip (2016)

## Leadership Experience

Robotics Team Co-Captain  
(2017-2018)

Residence Hall Discipleship  
Assistant (2019-2020)

Residence Hall Personnel  
Assistant (2020-current)

## Hobbies

Watching sports, strategy  
games, socializing with  
friends, playing guitar