

# Reed Goldsworthy

Reedgoldsworthy2@gmail.com

St. Charles, IL

331-422-8833

## EDUCATION

---

### University of Illinois at Urbana-Champaign

Bachelor of Science, Computer Science + Mathematics

2021 – current, GPA: 3.58

Champaign, IL

**Awards:** Math Excellence Award; Phi Theta Kappa Honor Society; Dean's List

## RELEVANT COURSES

---

- |   |  |
|---|--|
| • Data Structures                             | • System Programming                         |
| • Computer Architecture                       | • Intro to Computer Science I & II           |
| • Intro to Algorithms & Models of Computation | • Discrete Structures                        |
| • Statistics & Probability                    | • Programming Languages & Compilers          |
| • Numerical Methods                           | • Linear Algebra w/ Computation Applications |
|   | • Numerical Analysis                         |

## SKILLS

---

C++; Python; Git; C; Java; R; HTML; CSS; Microsoft Excel; PyCharm; Microsoft Visual Studio

## PROJECTS

---

### Monopoly Simulator - Creator

- Created a python program to simulate games of Monopoly. This project tracks data across multiple games and displays the simulator's findings.
- Simulates over 12,000,000 turns/100,000 games
- Utilized Matplotlib in order to clearly visualize the simulator's findings.

### Shortest Path Trip Planner - Co-Creator

- Worked in a team of four to create a C++ program to calculate the most efficient route when planning a trip.
- This project utilized a dataset containing the location of all national park and quickly calculates the best route using all the parks chosen by the user.

## WORK EXPERIENCE

---

### Norris Recreation Center-Tennis Instructor

April 2019 - January 2021

St. Charles, IL

- Led groups of up to 20 people through physical training sessions
- Collaborated with other coaches and staff to build practices and programs