

Erik Nelson

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EDUCATION

Grinnell College

Expected May 2023

Bachelor of Arts, Computer Science

- 3.69/4.0 GPA, 3.67/4.0 Major GPA
- Studied abroad in Copenhagen, Denmark during Fall 2021 semester (DIS Copenhagen)
- Relevant Courses: Functional Problem Solving, Imperative Problem Solving, Object-Oriented Problem Solving with Data Structures and Algorithms, Operating Systems and Parallel Algorithms, Analysis of Algorithms, & Game Development: Programming and Practice

SKILLS

- Programming Languages: C, C#, C++, Java, Python, R, & Racket
- Tools: Tableau, Microsoft Suite, & Heroku

WORK EXPERIENCE

Grinnell College

June 2021 – August 2021, Present

Computer Science Researcher

- Programmed a model of potential COVID-19 infection spread within a small liberal arts college using Python, in collaboration with another student
- Extended COVID-19 model to analyze how the dominant COVID-19 strain and vaccination rates of both students and faculty can affect infection spread
- Presented results at Midstates Consortium for Math and Science
- Asked to continue research on the COVID-19 model during the Spring 2022 semester

Grinnell College

January 2021 – March 2021, Present

Grader

- Graded assignments and exams for Object-Oriented Problem Solving

PROJECTS & EXTRACURRICULARS

Daily Fantasy Sports

October 2021 - Present

Projection Model

- Designed and programmed a model to analyze past player results and create optimal lineups for Yahoo Daily Fantasy Sports in basketball and football using Python

FIRST Robotics

January 2017 - March 2020

Lead Programmer, Mentor

- Won the 2018 Lake Superior Regional against 61 other high schools and qualified for the world championship
- Led a group of six other high school programmers for thirteen weeks in 2019, meeting on average 3-4 hours every day
- Led and mentored the strategy team and collaborated with over 100 different teams

Sentiment Analysis

December 2019

Course: Functional Problem Solving

- Collaborated with two other students to analyze the mood of different songs based on the moods associated with the words and phrases involved