

# Noah Hunt-Isaak

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## Education

**Dickinson College**, Carlisle, PA.

University of East Anglia, Norwich, UK

Double Major: **Mathematics** and **Computer Science**

Major GPA: 4.0 (3.95 Overall)

Bachelor of Science, Class of 2020

Study Abroad - Fall 2018

### **Honors:**

- John Dickinson Scholarship - Merit Scholarship worth \$80,000 (2016)
- Richard Howland Memorial Scholarship - For outstanding achievement in computer science (2019)
- Alpha Lambda Delta, Dean's List (Spring 2016-Present)
- Upsilon Pi Epsilon - National Computer Science Honor Society (Spring 2018-Present)
- Pi Mu Epsilon - National Mathematics Honor Society (Spring 2018-Present)

## Research Experience

**Undergraduate Researcher**, George Mason University

(Summer 2019)

- Participated in an REU in Educational Data Mining
- Developed a model for predicting student performance in a course
- Used machine learning and data mining techniques to analyze educational data from introductory computer science courses at GMU

**Undergraduate Researcher**, Dickinson College

(Summer 2018)

- Completed a computation study of solution techniques for 0-1 Quadratic Programs.
- Used python to generate a test bed of problems, and then modelled and solved them using 3 different commercial solvers and a variety of linearization techniques.

## Work Experience

**Teaching Assistant**, Dickinson College

(Spring 2018)

- Assisted the professor with teaching Multivariable Calculus during lab sections.
- Was responsible for grading student HWs and labs.

**Tutor (Computer Science and Math Help Rooms)**, Dickinson College

(Fall 2017-Spring

2018)

- Tutored students taking introductory and intermediate CS and Math courses in the CS and math help rooms respectively.
- Provided assistance with homework, lab work, and test prep.

**Summer Camp Counselor**, ESF Summer Camp

(Summer 2013-2017)

- Was responsible for a group of 7-8 year old campers.
- Provided a safe and fun learning environment while designing and leading daily activities.

## Projects

**Personal Website** (noahhuntisaak.com)

(2015-Present)

- Created personal website/blog using Jekyll and Github pages, HTML, CSS and JS.
- Includes mini projects such as a 2D platformer game, physics simulation, and real-time weather visualization.

**Competitive Programming**

(2016-Present)

- Solve challenging math and coding puzzles with the Dickinson Programming Club and independently (through sites such as Hackerank, Kattis, and Leetcode).
- 1st place in the 2019 Dickinson Spring Computer Programming Contest, qualified for and participated in the ACM-ICPC programming competition.

## Skills

**Programming Languages:** Java, Python, Processing, HTML/CSS/JS

**Misc. Languages/ Software:** CPLEX, Gurobi, Xpress, Latex, Matlab, Jupyter, Regex

**Spoken Languages:** Conversant in Spanish

**Other:** 14+ years of competitive soccer playing and refereeing experience. VP of Dickinson Math/CS Club.