

Scott Lyter Stoudt

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Education

The College of Wooster

Wooster, Ohio

2015-Present

Bachelor of Arts candidate in Computer Science
Minor in Classical Studies: Ancient Mediterranean Studies
Expected Graduation Date: May 2019
GPA: 3.3/4.0
Honors: Dean's List Fall 2015

Relevant Course Work:

High school:

- Intro to Computer Science (Visual Basic)
- AP Computer Science (Java)
- AP Statistics
- AP Calculus

Classes in Progress:

- CSCI 200: Algorithm Analysis
- CSCI 330: Computer Networking

College:

- CSCI 110: Imperative Problem Solving (C)
- CSCI 120: Data Structures and Algorithms (C++)
- CSCI 212: Operating Systems
- CSCI 220: Theory of Computation
- CSCI 230: Software Engineering-Mobile Computing
- MATH 108: Calculus with Algebra
- MATH 211: Linear Algebra
- MATH 215: Transition to Advanced Mathematics
- IDPT 102: Intro to Digital Humanities

Leadership

McGinnis ATA Black Belt Academy, 3rd Degree Black Belt, Junior Instructor; Head Camp Leader 2012-2015
People To People, Student Ambassador to Australia Summer 2014

Experience

Teaching and course development assistant

- In spring '18 I will be working with Dr. Jacob Heil to help with the Introduction to Digital Humanities course. In preparation for this class, I helped set up Raspberry Pis that we will use in class to create poem bots. This included setting up the Python scripts and soldering components to set up the printer. I also collaborated with Dr. Heil on establishing a workflow for the class and setting up the Github Classroom for the course. During the semester, I will be leading discussions on several units, including an introduction to Github, introduction to Python, and teaching students how to use different software and text mining tools like Voyant.

Presentation: Ceva's Theorem: It's Origin and History [with Gary Stoudt]

- Ceva's Theorem is a theorem in advanced Euclidean geometry concerning the concurrence of lines from the vertices of a triangle to the sides opposite those vertices. Today it is generally proven using similar triangles. However, in the original publication [Giovanni Ceva, *De lineis rectis se invicem secantibus statica constructio* (On the static construction of straight lines which Intersect each other), 1678], Ceva proves the result using centers of gravity and statics. In this presentation we show Ceva's original proof, which deserves a wider audience, and we also look at some other results from *De Lineis Rectis*.
 - My contribution was in the translation of the work from Latin into English.

CSCI 120 Final Project

- Worked collaboratively with two other students on a pizza business manager, which kept track of delivery workers clock in/out times and tips, orders received, and food preparation/delivery status. Emphasized use of classes, stacks, and queues in the C++ language.

CSCI 110 Final Project

- Created an image manipulation program in C capable of modifying the provided images' size, color, orientation, clarity, etc.

Skills

Proficient in C, Python

Experienced in C++, LaTeX, Maple

Familiar with Java, HTML, CSS

Knowledgeable in Microsoft Word, Excel, PowerPoint, and Access

Experienced in academic writing

Able to work well as a team member as well as independently

Experience with Github and its functions