Noelle Crawford

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https://noelle-crawfish.github.io/my-website/

PROFESSIONAL EXPERIENCE

COMPUTER SYSTEMS PROGRAMMING COURSE ASSISTANT   **Urbana, IL**
University of Illinois   *January 2022-Present*

- Hosted frequent office hours to aid students on the completion of large projects including a device driver and a 32-bit kernel.
- Answered questions on various topics including x86 assembly, the Linux kernel, and VGA graphics.

INTRODUCTION TO ELECTRONICS COURSE ASSISTANT   **Urbana, IL**
University of Illinois   *January 2021-May 2021*

- Directed an online electronics lab section exposing 30 students to basic circuit prototyping.
- Helped students to debug breadboard circuits and clarify points of confusion.
- Facilitated interactions between assigned lab groups to ensure participation and managed attendance.

STEM TUTOR   **Virtual**
Self Employed   *August 2019-Present*

- Tutored high school students to improve performance in physics, math, and computer science classes at the AP level.
- Developed individualized lesson plans to complement classwork and cater to student's individual needs.
- Managed communications and scheduling for up to 6 students per semester.

INTRODUCTION TO COMPUTER SCIENCE TA   **Mountain View, CA**
Mountain View High School   *August 2019-June 2020*

- Helped students new to programming build strong foundations in Snap, Python, RobotC, and Java.
- Prepared engaging lesson plans and slides.
- Graded projects, exams, and daily journal entries for 30 students.

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN   **Urbana, IL**
Bachelor of Science in Electrical Engineering, Bachelor of Arts in Mathematics   *Expected May 2023*
James Scholar

COURSEWORK: Computer Systems Programming, Digital Systems Lab, Communications Networks, Computer Organization and Design, Computer Security I, Analog Signal Processing, Fields and Waves I/II, Differential Equations, Linear Algebra, Abstract Algebra I/II, Number Theory

SKILLS

PROGRAMMING LANGUAGES: C, C++, System Verilog, Assembly, Python, Java, HTML/CSS, Javascript (React)
OTHER: Digital Circuit Design, Linux, Networks, Mathematica, Math, Security, Git, Spreadsheets