Faramarz Aboutalebi

Orlando, FL

Fara@knights.ucf.edu

UCF GPA: 3.561

Profile

Experienced tutor and TA with a strong background in computer science, including Python, C, Java, Assembly Language, JavaScript, HTML, and CSS. Skilled in creating engaging lesson plans, simplifying complex subjects, and fostering positive learning environments. Seeking a challenging opportunity to leverage my skills and contribute to the success of students and organizations.

Education

- · High School Math and Physics Diploma (2015)
- · Solid State Physics Bachelor/Graduated from **Bu-Ali Sina University** (July 2020)
- · Computer Science Undergraduate Student in **UCF (**August 2021-Current)

Professional Experience

Information Technology Instructor - Intern (06/2023- 08/2023)
Valencia College, FL

- · Delivered an 8-week IT program focused on JavaScript, HTML, and CSS.
- · Conducted interactive classes, designed self-paced activities, and supported students in final projects.

Computer Science I TA / Lab instructor, grader, office hours holder; Computer Science Department, Professor Neslisah Torosdagli (01/2023-05/2023)
UCF, FL

- · responsible for conducting lab exams, teaching, and solving problems as the lab instructor.
- · Grading codes, quizzes, and exams submitted by students.
- · Holding office hours to respond to students' questions and help them with code debugging.

- · responsible for conducting lab exams, teaching, and solving problems as the lab instructor.
- · Grading codes, quizzes, and exams submitted by students.
- · Holding office hours to respond to students' questions and help them with code debugging.

Team Member/Trainer, Publix; Deli Department (01/2021- current)

Orlando, FL

- · Train new employees on daily tasks and customer service
- · Making High quality Handcraft Subs
- · Department readiness to operate
- · Closing tasks such as stocking and cleanliness

Awards:

- · *Benefited received a scholarship from the **Momeni Foundation**. (01/2022)*
- · *Benefited received a scholarship from the **Momeni Foundation**. (08/2022)*
- · *Certified Premium Deli Professional by **Boar's Head***

Project:

Software System - Compiler Project (**08/2023 – 11/2023**)

    Collaborators: Faramarz Aboutalebi, Ethan Stein

    GitHub Repository: [GitHub Link](#)

Developed a comprehensive compiler for the PL/0 programming language, including a virtual machine, lexical analyzer, recursive descent parser, and advanced parser with procedural constructs:

- · Implemented a P-machine to execute PL/0 assembly code, featuring a segmented process address space for instructions and data. [README](#)

· Created a lexical analyzer in HW2 to tokenize PL/0 source code and generate lexeme tables.
README

· Developed a recursive descent parser in HW3 to analyze PL/0 program syntax, generate intermediate code, and integrate with the lexical analyzer. README

· Enhanced the parser in HW4 to support additional grammatical constructs like procedures and calls, refining syntax error detection and reporting. README