

# Pedro Criado

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## EDUCATION

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### University of Central Florida

Aug. 2022 – Present

*Bachelor of Science in Computer Science — GPA: 3.77*

*Orlando, FL*

**Relevant Coursework:** Object Oriented Programming, Computer Science 1/2, Computer Organization, Systems Software

## EXPERIENCE

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### Software Development Engineer Intern

May 2024 – Present

*Amazon*

*Austin, TX*

- Developed an addition to an existing Amazon app with the use of Java and an internal framework
- Explored the full process of software development, from topics like security to quality assurance
- Explored the many tools and services of AWS and how to use them to enhance the development process

## EXTRACURRICULAR EXPERIENCE

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### UCF Competitive Programming Team Practices

Dec. 2022 – April. 2023

*University of Central Florida*

*Orlando, FL*

- Explored many data structures and algorithms in different problems
- Developed my problem-solving skills with numerous programming problems that required out-of-the-box thinking
- Enhanced my skills with Python and Java by using them through the problem-solving process
- During the local programming contest, I improved from 79th place to 39th after practicing with the programming team

### UCF AI club

Oct. 2022 – April. 2023

*University of Central Florida*

*Orlando, FL*

- Developed a deeper understanding of the many different types of AI and the ethics in its rapid evolution
- Explored ways to produce my AIs using Python with its many libraries and frameworks

## PROJECTS

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### SimpleC Compiler | *c, x86*

Dec. 2023 – April. 2024

- Developed a Compiler that compiled C code using the x86 assembly language
- Developed a deeper understanding of compiler theory, including lexical analysis, parsing, semantic analysis, optimization, and code generation
- Implemented the control-flow actions if, if else, and while statements and the operators equal to (==), not (!), reference (&), and dereference (\*)

### Multi Media Recommendation System | *Python, PyTorch, Pandas, NumPy, Matplotlib* Oct. 2022 – May 2023

- Developed a recommendation system that takes in and outputs multiple different media recommendations
- Lead a group in the production of the recommendation by meeting to discuss progress and pain points
- Collaborated with multiple peers to brainstorm for implementation and showcase of the system

## SKILLS

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**Languages:** English, Spanish

**Programming Languages:** Java, Python, C/C++, JavaScript, HTML, CSS, x86

**Frameworks:** Spring, PyTorch, Django

**Developer Tools:** Google Cloud Platform, VS Code, Visual Studio, PyCharm, Eclipse, Jupyter Notebook, AWS

**Libraries:** pandas, NumPy, Matplotlib

**Soft Skills:** Teamwork, Communication, Problem-Solving, Patience, Open-Mindedness, Time Management