

DAVID SANTAMARIA

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EDUCATION

University of Central Florida

January 2021 - May 2024

B.S. in Computer Science

Orlando, FL

WORK EXPERIENCE

VertexGraph Software Engineering Intern

May 2022 - August 2022

Worked full stack on a .NET framework

Fixed bugs, created unit tests, and wrote documentation for the codebase

Personal Tutor

August 2016 - May 2019

Spent more than 100 hours acting as a personal tutor in Mathematics and Computer Science subjects

PROJECTS AND POSITIONS

UCF Dev Programming Team

Fall 2021 - May 2022

Made junior varsity programming team

Spend 20+ hours a week on learning new algorithms, data structures, and problem solving paradigms

William Lowell Putnam Mathematical Competition

Scored 2 points on the 82nd (2021) Putnam Exam

Chime

Developed a command-line Multiplexing Chat application written in the C language

Used TCP and UDP to implement message and file sharing

A C of Useful Programs

A library of implementations of common data structures and algorithms in the C language

[Codeforces.com/medbar](https://codeforces.com/medbar)

Solved problems from online competitive programming contests on codeforces.com

Pong

A Java remake of the classic video game using the Swing library

TECHNICAL STRENGTHS

Proficient in: Java, C++, C, Linux, Git and Bash.

Some experience with: Python, C#, Javascript, HTML, CSS.

Certifications: MTA Database Fundamentals.

COURSEWORK

Data Structures and Algorithms, Object Oriented Programming, Calculus II / III,
Linear Algebra, Computer Logic and Organization, Operating Systems

COMPETITIVE PROGRAMMING COMPETITIONS

ICPC Southeast Regional Contest 2022: Division 2

- 1st

AMC Stetson 2016, 2017

- 10th, 2nd

HPE CodeWars Houston Texas (Novice Division): 2016, 2017

- 12th, 26th

University of Central Florida HSPT: 2016, 2017