DAVID SANTAMARIA

github.com/Daves1245 ⋄ davidsantamaria1245@gmail.com ⋄ davidsantamaria.com ⋄ medbar.dev

WORK EXPERIENCE

Google Software Engineering Intern *May 2024 - August 2024*

- Developed a pipeline to detect and report network hardware anomalies across Google's production fleet
- Discovered six previously unknown telemetry outages
- Unblocked teams by implementing new hardware matching feature

VertexGraph Software Engineering Intern *May 2022 - August 2022*

- Worked full stack on a C# ASP.NET codebase
- Created seven new Razor pages and implemented features for the front end of the product
- Fixed bugs, made unit tests, and wrote documentation for the product

PROJECTS AND POSITIONS

UCF Programming Team *Fall 2021 - May 2022*

- Studied 20+ hours a week on learning new algorithms, data structures, and problem solving paradigms
- Competed in practices every Saturday simulating ICPC contests in a team of 3

HorizonOS

- Hobby operating system developed using C and Assembly
- Built and tested on emulators like QEMU, debugged with gdb

Chime

- Developed a command-line multiplexing chat application written in C
- Used TCP to implement message sharing

Codeforces

- Solved problems from online competitive programming contests on codeforces.com

Pong

- Created a Java remake of the classic video game using the Swing library

TECHNICAL STRENGTHS

Proficient in:	C++, C, Java, Linux, Git, Bash, Vim
Some experience with:	Python, C#, Javascript, Typescript, HTML, CSS, ASP .NET
Certifications:	MTA Database Fundamentals

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	

EDUCATION

University of Central Florida *January 2021 - December 2024*
B.S. in Computer Science
Orlando, FL

COURSEWORK

Data Structures and Algorithms, Object Oriented Programming, Calculus II, Calculus III -
Linear Algebra, Operating Systems, Parallel & Distributed Programming