

CESAR ARGUELLO

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<https://www.carguellom.com>

EDUCATION

Ph.D. in Computer Science

Dartmouth College

September 2022-June 2027(*expected*)

Hanover, NH, USA

- Advisor: Dr. David Kotz
- Research area: Security and Privacy in the Lifecycle of IoT for Consumer Environments

B.S. in Physics & Computer Science

University of Florida

August 2018-May 2022

Gainesville, FL, USA

- Graduated Cum Laude
- Selected for Honors Program

PUBLICATIONS

1. Cesar Arguello, Beatrice Perez, Timothy J. Pierson, and David Kotz. Detecting Battery Cells with Harmonic Radar. *Proceedings of the ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec)*, 2024.
2. Timothy J. Pierson, Cesar Arguello, Beatrice Perez, Wondimu Zegeye, Kevin Kornegay, Carl Gunter, and David Kotz. We need a “building inspector for IoT” when smart homes are sold. *IEEE Security & Privacy*, 2024.
3. Beatrice Perez, Cesar Arguello, Timothy J. Pierson, Gregory Mazzaro, and David Kotz. *Proceedings of the IEEE Military Communications Conference (MILCOM)*, 2023.
4. Cesar Arguello, Hunter Searle, Sara Rampazzi, Kevin Butler. [Poster]: A practical methodology for ML-Based EM Side Channel Disassemblers. *Proceedings of the 2022 Poster Session of the 7th IEEE European Symposium on Security and Privacy*, 2022.

INDUSTRY EXPERIENCE

Product Development Engineer Intern

Intel Corporation

January 2022-May 2022

Santa Clara, CA, USA

- Designed, developed, and debugged sort test programs for server products.
- Tested, validated, modified, and redesigned circuits to guarantee component margin to specification.
- Analyzed and evaluated component specification versus performance to ensure optimal match of component requirements with production equipment capability.

TEACHING EXPERIENCE

Graduted Teaching Assistant

Dartmouth College

September 2022-January 2023

Hanover, NH, USA

CS50 - Software Design & Implementation

Undergraduate Teaching Assistant

University of Florida

January 2021-May 2021

Gainesville, FL, USA

CDA3101 - Introduction to Computer Organization

AWARDS AND HONORS

- Academic Scholarship, Davis UWC Scholars August 2018
- Honor Society, Phi Beta Kappa May 2022

SKILLS

Languages: English, Spanish.

Programming: Python, C, C++, x86.

Frameworks: PyTorch