Cesar Arguello

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Education

Ph.D. in Computer Science — September 2022-June 2027*(expected)*
Dartmouth College — 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 — August 2018-May 2022
University of Florida — Gainesville, FL, USA
- Graduted 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 — January 2022-May 2022
Intel Corporation — Santa Clara, CA, USA
- Design, develop, and debug sort test programs for server products.
- Test, validate, modify, and redesign circuits to guarantee component margin to specification.
- Analyze and evaluate component specification versus performance to ensure optimal match of component requirements with production equipment capability.

Teaching Experience

Graduted Teaching Assistant — September 2022-January 2023
Dartmouth College — Hanover, NH, USA
CS50 - Software Design & Implementation

Undergraduate Teaching Assistant — January 2021-May 2021
University of Florida — Gainesville, FL, USA
CDA3101 - Introduction to Computer Organization

Awards and Honors

- **Academic Scholarship**, Davis UWC Scholars — August 2018
- **Honor Society**, Phi Betta Kappa — May 2022

Skills

Languages: English, Spanish.
Programming: Python, C, C++, x86.