



# alex bellon

937-557-3144 — hi@alex-bellon.com — alex-bellon.com

## EDUCATION

- 2021–Present **Ph.D., Computer Science**, *The University of California San Diego*  
Advised by [Deian Stefan](#) and [Pat Pannuto](#), with a focus on the security of embedded and IoT devices
- 2017–2021 **B.S., Computer Science**, *The University of Texas at Austin*
- 2017–2021 **B.S., Mathematics**, *The University of Texas at Austin*

## PUBLICATIONS

- [3] **Alex Bellon**, Miro Haller\*, Andrey Labunets, Enze Liu, Stefan Savage (\* = first author). “Short Talk: An Empirical Analysis on the Use and Reporting of National Security Letters”. 3rd ACM Symposium on Computer Science and Law (CSLAW 2024). March 2024.
- [2] Enze Liu, Lu Sun, **Alex Bellon**, Grant Ho, Stefan Savage, Geoffrey M. Voelker, Imani N. S. Munyaka. “Understanding the viability of e-mail origin indicators for identifying the sender”. The 19th USENIX Symposium on Usable Privacy and Security (SOUPS 2023). August 2023.
- [1] **Alex Bellon**, Alex Yen, and Pat Pannuto. “TagAlong: A Free, Wide-Area Data-Muling Service Built on the AirTag Protocol”. The 24th International Workshop on Mobile Computing Systems and Applications (ACM HotMobile 2023). February 2023.
- [0] **Alex Bellon**, Alex Snoeren, and Deian Stefan. “Hacking for Fun and Glucose: Reverse Engineering an Insulin Pump”. SRC TECHCON 2022. September 2022.

## RESEARCH EXPERIENCE

- Fall 2023 **Research Intern**, *Max Planck Institute for Security and Privacy*, Bochum, Germany
- 2021–Present **Graduate Student Researcher**, *University of California San Diego*, San Diego, CA

## INDUSTRY EXPERIENCE

- Summer 2023 **Software Engineering Intern**, *Micron*, San Jose, CA
- Wrote optimizations for LLVM/Clang to improve workload performance with CXL memory
- Summer 2020 **Security Engineering Intern**, *Mozilla*, Mountain View, CA (remote)
- Researched security issues in language-based package managers like Cargo, NPM and PyPI
  - Used research to fix security scoring algorithm on Mozilla’s Dependency Observatory ([github.com/mozilla-services/dependency-observatory](https://github.com/mozilla-services/dependency-observatory)) project, used to estimate the security of NPM packages
- Summer 2019 **Security Analyst Intern**, *Electronic Arts*, Seattle, WA
- Used Python to automate checking for open ports and other attack vectors on EA’s cloud instances.
  - Scanned 800+ instances, found 1400+ security incidents

## TEACHING EXPERIENCE

- Spring 2021 **Undergraduate TA - CS349 Contemporary Issues in Computer Science**, *UT Austin*
- Spr., Fall 2019 **Undergraduate TA - CS361 Introduction to Computer Security**, *UT Austin*

## TECHNICAL SKILLS

Most comfortable in Python, C and C++; familiar with Java assembly (M68K, x86), MySQL, JavaScript, HTML/CSS and Haskell.

Comfortable with Linux (Ubuntu, Arch/Manjaro) and UNIX, Shell (bash, zsh), git, vim, emacs (including org-mode), L<sup>A</sup>T<sub>E</sub>X, Ghidra (scripting), LLVM (writing passes) and command line tools. Familiar with Wireshark, gdb, Kubernetes and Docker.