



ALEXANDRA BELLON

937-557-3144 || alex@waitlisters.org || alex-bellon.com || github.com/alex-bellon

EXPERIENCE

Security Analyst Intern - Electronic Arts

Summer 2019

- Write programs in **Python** to automate validating the results from CASB scans. The programs conduct port scans and send GET/HEAD requests to cloud machines, then export the results to a JSON file, Google Sheet and MySQL database
- Create a warning page to place in front of non-approved websites as categorized by the firewall

Teaching Assistant for CS361: Intro to Security

2019 - present

- Create and grade security-focused assignments for 80+ students
- Lecture on various topics in security like **cryptography** and **forensics**.
- Create and run a CTF competition for the students' final exam

SELECTED PROJECTS (more can be found on my GitHub and website)

AllerGen - 1st place at TAMUHack 2019

- Application that allows you to input food allergens, and then scan food barcodes to see if you are allergic to that food
- Worked in **Python** to query USDA database for ingredients, determine if user is allergic, and find common ingredients between foods

ctf-tools

- Tools for cryptography, forensics, networking, reverse engineering, and binary problems, mostly written in **Python**
- Implementations of RSA, Luhn, One Time Pad, Diffie-Hellman, etc.

ctf-writeups

- GitHub repository of solutions I have written for various CTFs and wargame site challenges. Challenges involve cryptography, forensics, binary exploitation, networking, and more

EDUCATION

The University of Texas at Austin, Class of 2021

BS in Computer Science and Mathematics

Completed Courses:

Network Security & Privacy, Intro to Security, Operating Systems, Computer Architecture, Matrices, Calculus I-III, Discrete Math

TECHNICAL SKILLS

Most comfortable in Python, Java and C, familiar with C++, HTML, CSS and MySQL. Comfortable with Linux and UNIX, Shell (bash/zsh), Git, Vim, and command line tools

AWARDS

Capture the Flag

1st SunshineCTF, 3rd Angstrom CTF, 3rd Atlassian CTF ('18 and '19), 10th Swamp CTF

Texas Network Massacre

1st at Attack/Defense CTF with team of 5

National Collegiate Cyber Defense Competition

2nd at Southwest Regionals '19, blue team competition with team of 6

Hackathons

1st at TAMUhack 19, 3rd at Hacklahoma '19, top 10 at Hacklahoma '18, competed in 10 total

LEADERSHIP

Engineering Officer - Information & Systems Security Society 2018 - present

- Write cybersecurity challenges for weekly Capture the Flag (CTF) competitions, mostly in the forensics and cryptography category
- Write problems for and host a yearly international CTF with 800+ teams

Webmaster VP - Association for Computing Machinery

2018 - present

- Implement new features and fix bugs on UT's ACM chapter website
- Host workshops to teach students how to develop their own website
- Host a series of 8-10 introductory workshops for freshmen with topics like Linux basics, Git/VCS, debugging, etc

Co-Founder, Cyber Security Lead - Waitlisters

2017 - present

- Co-Founder of Waitlisters team, that competes in hackathons, competitive programming competitions, and CTF competitions

OTHER ACTIVITIES

Hispanic Association of Computer Scientists

2017 - present

Hook 'Em Arts (Performing Arts appreciation club)

2017 - present

Austin Quidditch (Club sports team)

2017 - 2019