ALEXANDRA BELLON

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EDUCATION

The University of Texas at Austin *BS in Computer Science*   **2021**
Double major in Math, and plan to complete 5 year Master's program
Relevant Courses: Computer Architecture, Autonomous Intelligent Robots, Data
Structures, Discrete Math, Calculus I - III, Operating Systems (current)

SKILLS

Software & Technical: Most comfortable in Java and Python, familiar with C/C++, HTML,
CSS and MySQL. Comfortable with Linux, Shell (bash/zsh), Git, and Vim.
Foreign Languages: Conversational in German (4 years) and Italian (5 years)

PROJECTS

Flock   **2018**
≫ An Android and iOS app that allows users to split the cost of renting a house.
≫ Allows current tenants to approve or reject new tenants based on a rating
(calculated by other users' and landlord's ratings).
≫ Used **Python** to make queries to the API and database and **MySQL** to set up the
database of users, rentals, and locations.

PrescriptChain   **2018**
≫ A web interface that takes advantage of the decentralization and immutability of
Factom's blockchain to reduce fraudulent and illegible medical prescriptions.
≫ Portals for both doctors and pharmacists in order to ensure security and privacy
from start to end of the prescription process.
≫ Worked in **Python** to make login and registration system, used **MySQL** to make
database for users and prescriptions.

Crowdsourced Cartographic Catastrophe Analysis (CCCA)   **2018**
≫ A program that uses the frequency of tweets with location enabled and keywords
relevant to natural disasters to form a heatmap of areas most in need of
assistance.
≫ Used **Python** to stream in tweets, identify the GPS coordinates of the tweet given
the city name. It then formats the data and exports it to a .csv file.
≫ Won **2nd place** at the Texas Convergent Side Project Expo (February 2018).

LEADERSHIP

Engineering Officer - Information and Systems Security Society   **2018 – present**
≫ Write cybersecurity challenges for weekly Capture the Flag (CTF) competitions.
Co-Founder, Cyber Security and Marketing Lead - Waitlisters   **2017 – present**
≫ Co-Founder of Waitlisters team who compete in hackathons, competitive
programming competitions, and CTF competitions.
≫ Teach teammates how to solve CTF challenges, maintain team social media.

ACTIVITIES

Freshman Research Initiative (Autonomous Intelligent Robots Stream)	**2017 – present**
Texas Association for Computing Machinery	**2017 – present**
Information & Systems Security Society (Cybersecurity Organization)	**2017 – present**
Hispanic Association of Computer Scientists	**2017 – present**
Hook 'Em Arts (Performing Arts Appreciation Organization)	**2017 – present**
Austin Quidditch (Club Sports Team)	**2017 – present**
NASA High School Aerospace Scholar Internship	**2016**