



ALEXANDRA BELLON

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EDUCATION	The University of Texas at Austin <i>BS in Computer Science</i> 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
SKILLS	Programming Languages: Most comfortable in Java, familiar with Python and C/C++, some knowledge of HTML and MySQL Foreign Languages: Proficient in German (4 years, 4/5 on AP Exam) and Italian (5 years)
PROJECTS	PrescriptChain 2018 <ul style="list-style-type: none">➤ 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 PlayFuse 2018 <ul style="list-style-type: none">➤ A web app that allows users to create music playlists once, and then export them to various music streaming services. Used Python to deal with different music streaming APIs and consolidate data returned from searches.➤ Used the YouTube API and gmusic library Crowdsourced Cartographic Catastrophe Analysis (CCCA) 2018 <ul style="list-style-type: none">➤ 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➤ Used the geopy and tweepy libraries➤ Won 2nd place at the Texas Convergent Side Project Expo (February 2018)
LEADERSHIP	Engineering Officer - Information and Systems Security Society 2018 - present <ul style="list-style-type: none">• Write cybersecurity challenges for weekly Capture the Flag (CTF) competitions Co-Founder, Cyber Security and Marketing Lead - Waitlisters 2017 - present <ul style="list-style-type: none">• 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 2017 - present Hispanic Association of Computer Scientists 2017 - present Hook 'Em Arts (Performing Arts Appreciation Organization) 2017 - present Austin Quidditch 2017 - present NASA High School Aerospace Scholar Internship 2016