HANNAH GOODEN

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EDUCATION

Texas A&M University, College Station, Texas   *Expected Graduation: May 2020*
Bachelor of Science in Computer Science, Minors in Astrophysics and Cybersecurity   *GPA: 3.92*
Engineering Honors

SKILLS

- Proficient in C++, Javascript, Python, HTML/CSS, Git, Angular and React
- Adept at working with SQL databases such as MySQL and SQLite
- Some experience with Haskell, C, x86, and Java

WORK EXPERIENCE

NASA's Jet Propulsion Laboratory, La Cañada Flintridge, CA   *June 2019—August 2019*
Software Development Intern
- Worked directly with another developer to create Track Visualizer, an Electron app designed to help Deep Space Network operators work more efficiently by visualizing and plotting data both historically and in real-time
- Learned how to design user-centered software, using tools such as Angular, RxJS, and Highcharts
- Added several key features to the app, including the visualization of notes and thresholds on the chart-based user interface

Sandia National Laboratories, Albuquerque, NM   *May 2018—August 2018*
Software R&D Intern
- Worked in an agile team of 8 to develop a search-based web app for the Labs to use
- Automated end-to-end testing for the frontend of the app in Angular using Protractor and AutoIT

Qualbe Marketing Group, Fort Worth, Texas   *June 2017—August 2017*
Software Development Intern
- Wrote a short program in Javascript that helped IT visually track their efficiency
- Headed a month long project that moved the daily sales reports out of Excel and into MySQL and Node.js using a REST API and an Angular user interface
- Assisted in migrating a web app from a monolith to microservice architecture

UNIVERSITY INVOLVEMENT

Aggie Coding Club, Texas A&M University   *May 2018-present*
President, Project Manager
- Managed a team of 6 officers to welcome 60-70 students to meetings every week and communicate with a mailing list of over 700 current and former students
- Planned weekly meetings with two hours of content from a variety of sources, including company speakers, faculty members, presentations from members, and social events
- Co-led a team of 20 students to meet up weekly for a project titled "Chrome Calories" which introduced beginners to good software development practices, using Javascript, Git, and Chrome Developer Tools

Texas A&M Department of Biology, Texas A&M University   *August 2018-present*
Undergraduate Researcher
- Worked with two professors to design an efficient algorithm in C++ which rethinks the way researchers currently sequence circular genomes, using the Seqan library and sequencing tools such as Bowtie and BWA
- Publication coming May 2020!

Undergraduate Leadership Excellence Award   *Spring 2019*
Recipient
- Awarded by the Texas A&M University Department of Computer Science and Engineering
- One recipient chosen from the whole department per year