

# ANA ASHRAFI

## SOFTWARE ENGINEER

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## EDUCATION

<b>The University of Texas at Austin</b>	Cockrell School of Engineering B.S. Electrical and Computer Engineering Overall GPA: 3.53	<i>Expected May 2021</i>
<b>Relevant Coursework:</b>	<i>Algorithms, Software Testing, Data Structures I, Data Structures II, Information Security &amp; Privacy, Embedded Systems</i>	

## SKILLS

**Proficient** in Java, JavaScript, HTML/CSS, C#, XP, Debugging, Test-Driven Development, Git, Agile/Lean Methodologies, Jira  
**Experienced** with Python, C, C++, SQL, MySQL, React, User-Centered Design, CI/CD Pipelines, Bamboo, Linux, JUnit/PHPUnit, Selenium  
**Familiar** with PHP, PowerShell, Behavior-Driven Development, Google Cloud Platform, Pivotal Cloud Foundry

## WORK EXPERIENCE

<b>Dell Technologies</b>	<i>Remote</i>
<i>Software Engineer Intern</i>	<i>Jun 2020 - Jul 2020</i>
<ul style="list-style-type: none"><li>Reduced manual queries run across Dell Digital by 78% through enhancing an ASP.NET Core MVC web application</li><li>Delivered new application features with a story cycle time of &lt;10 days through pair programming, TDD, and CI/CD pipelines</li><li>Optimized the costs of feature implementation and lowered defect rates through automated unit and functional testing</li><li>Improved customer satisfaction by applying user-centered design, leading user interviews, and creating feedback loops</li><li>Achieved zero downtime deployments by working in a cloud native, containerized environment through Pivotal Cloud Foundry</li></ul>	
<b>The Boeing Company</b>	<i>Plano, TX</i>
<i>Software Engineer Intern</i>	<i>May 2019 - Aug 2019</i>
<ul style="list-style-type: none"><li>Configured VxWorks RTOS development environment and partition configuration for U.S. and international software execution</li><li>Increased efficiency during the development environment setup process through the creation of various Python scripts</li><li>Collaborated with Boeing engineers across multiple teams to facilitate an autonomous continuous integration build</li><li>Gained experience with software-based aerospace requirements, export compliance, Agile (Jira), Scrum, and version control</li><li>Built software targeting Boeing hardware from multiple aircrafts using a custom virtual environment</li></ul>	

## PROJECTS

<b>Election Essentials</b>	<i>Austin, TX</i>
<i>Web Application Design</i>	<i>Sept 2019 - Nov 2019</i>
<ul style="list-style-type: none"><li>Developed a web app to help students identify political topics that matter most to them and receive info on the 2020 election</li><li>Designed the UI for all presidential candidate profiles and news article pages using HTML, CSS, and JavaScript</li><li>Utilized MySQL and PHP to store and access data regarding user selections/favorites, candidate profiles, and news articles</li></ul>	
<b>Swim Adventures</b>	<i>Austin, TX</i>
<i>Embedded System Design</i>	<i>Apr 2018</i>
<ul style="list-style-type: none"><li>Programmed an interactive, 2-D video game coded in C using a TI microcontroller and an LCD display</li><li>Created a digital-to-analog converter to generate sound effects and used an analog-to-digital converter for movement</li><li>Implemented multiple interrupt service routines to pause the game, move the sprites, and play the sound effects</li></ul>	

## LEADERSHIP EXPERIENCE

<b>The University of Texas at Austin</b>	<i>Austin, TX</i>
Cockrell Student Engineering Council   <i>Vice President of Membership</i>	<i>Apr 2019 - Apr 2020</i>
<ul style="list-style-type: none"><li>Directed new member recruitment and promoted 96% membership retention to ensure the growth of the organization</li><li>Organized community building and networking opportunities for the social and professional development of our members</li><li>Cultivated a culture concentrated on diligence, collaboration, inclusion, and amiability among a group of 80 students</li></ul>	
Cockrell Student Engineering Council   <i>Service Committee Director</i>	<i>Apr 2018 - Apr 2019</i>
<ul style="list-style-type: none"><li>Led service initiatives that contributed 28,664 meals to the Central Texas Food Bank and over \$3,000 to the SAFE Alliance</li><li>Promoted student involvement in the community through volunteering, educational outreach, and philanthropy</li><li>Partnered with a co-director to develop the leadership capabilities and skills of 12 committee members</li></ul>	
Code Orange   <i>Mentor</i>	<i>Jan 2018 - May 2018</i>
<ul style="list-style-type: none"><li>Fostered the curiosity of children ages 5-12 in computers and technology through exposure to engineering</li><li>Worked with kids once a week using Scratch and/or Code.org to teach basic coding concepts and skills</li><li>Leveled the playing field in STEM by mentoring and teaching children of lower socioeconomic status</li></ul>	