

ANA ASHRAFI

SOFTWARE ENGINEER

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EDUCATION

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

WORK EXPERIENCE

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

PROJECTS

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

LEADERSHIP EXPERIENCE

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

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/ NUnit, Selenium
Familiar with PHP, PowerShell, Behavior-Driven Development, Google Cloud Platform, Pivotal Cloud Foundry