ANA ASHRAFI

CONTACT

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MY PHILOSOPHY

"I cannot do all the good that the world needs. But the world needs all the good that I can do." -Stanfield

SKILLS

●●●● Agile/Lean

●●●● Git

●●●● Java

●●●● JavaScript

●●●● HTML/CSS

●●●○ C/C++

●●●○ Design Thinking

●●●○ SQL

●●●○ C#

●●○○ Python

●●○○ React

LEADERSHIP

🔖 Student Engineering Council - **Vice President**

🔖 Student Engineering Council - **Service Director**

🔖 Code Orange - **Mentor**

EDUCATION

The University of Texas at Austin
Aug 2017 - May 2021

B.S. Electrical and Computer Engineering
GPA: 3.53

WORK EXPERIENCE

Dell Technologies
Software Engineer Intern | Jun 2020 - Jul 2020

- Improved Dell Technologies' security posture by enhancing an **ASP.NET Core** MVC web application used to better understand cybersecurity data
- Deployed new app features using **C#**, **SQL**, **JavaScript**, and **HTML/CSS** into **Pivotal Cloud Foundry** with a user story cycle time of <10 days
- Applied extreme programming (XP) practices through **pair programming**, **TDD**, and **CI/CD pipelines** to provide the highest code quality
- Practiced **user-centered design** to ensure that users' needs were being met by conducting **user interviews** and setting up consistent **feedback loops**
- Wrote automated unit and functional tests with **NUnit** and **Selenium** to validate the code and prevent bugs

The Boeing Company
Software Engineer Intern | May 2019 - Aug 2019

- Configured **VxWorks RTOS** development environment and partition configuration for U.S. and international software execution
- Collaborated with Boeing engineers across multiple teams to facilitate an autonomous **continuous integration** build using **Bamboo**
- Coded **Python** scripts to increase efficiency during the development environment setup process
- Gained experience with software-based aerospace requirements, export compliance, **Agile (Jira)**, **Scrum**, and version control via **Git/BitBucket**

PROJECTS

Election Essentials
Web Application Design | Sept 2019 - Nov 2019

- Developed a web application to help students identify political topics that matter most to them and receive information regarding the 2020 election
- Designed the UI for all presidential candidate profiles and news article pages using **HTML**, **CSS**, and **JavaScript**
- Used **MySQL** and **PHP** to store and access data regarding user selections/favorites, candidate profiles, and news articles

Swim Adventures
Embedded System Design | Apr 2018

- **Pair programmed** an interactive, 2-D video game coded in **C** using a TI microcontroller and an LCD display
- Created a **digital-to-analog** converter to generate sound effects and used an **analog-to-digital** converter for movement
- Implemented numerous interrupt service routines to pause the game, move the sprites, and play the sound effects