ANA ASHRAFI

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EDUCATION

The University of Texas at Austin	Cockrell School of Engineering B.S. Electrical and Computer Engineering Overall GPA: 3.42	*Expected May 2021*
Relevant Coursework:	*Algorithms, Data Structures I, Data Structures II, Embedded Systems, Circuit Theory, Linear Systems and Signals, Digital Logic Design*	

WORK EXPERIENCE

The Boeing Company   *Plano, TX*
Software Engineer Intern   *May 2019 - Aug 2019*
- Configured VxWorks development environment and partition configuration for U.S. and international software execution
- Gained experience with software engineering DO-178C processes, export compliance, Agile, Scrum, and version control
- Collaborated with Boeing engineers across multiple teams to facilitate an autonomous CI build using Bamboo
- Developed Python scripts to increase efficiency during the development environment setup process
- Built software targeting Boeing hardware from multiple aircrafts using a custom virtual environment

UT Dallas Nanotechnology Institute   *Richardson, TX*
Research Intern   *Jun 2016 - Aug 2016*
- Assisted nanotechnology professors in creating an orthotic glove to allow rehabilitation of hand function
- Created artificial joints for the biomimetic hand model used for testing via TinkerCAD and 3D printing
- Presented project on artificial joints at the George A. Jeffrey NanoExplorers Symposium to over 30 professors and peers

ACADEMIC EXPERIENCE

Embedded System Game Design Project   *Austin, TX*
Swim Adventures   *Apr 2018*
- Pair programmed an interactive, 2-D video game coded in C using a TI microcontroller and an LCD display
- Designed 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

LEADERSHIP EXPERIENCE AND ACTIVITIES

The University of Texas at Austin   *Austin, TX*
Cockrell Student Engineering Council | *Vice President of Membership*   *Apr 2019 - Present*
- Plan community building and networking opportunities for the social and professional development of our members
- Cultivate a culture concentrated on diligence, collaboration, inclusion, and amiability among a group of 80 students
- Head new member recruitment and promote 96% membership retention to ensure the growth of the organization

Cockrell Student Engineering Council | *Service Committee Director*   *Apr 2018 - Apr 2019*
- Led service initiatives that contributed 28,664 meals to the Central Texas Food Bank and over $3,000 to the SAFE Alliance
- Promoted student involvement in the community through volunteering, educational outreach, and philanthropy
- Partnered with co-director to develop the leadership capabilities and skills of 12 committee members

Code Orange | *Mentor*   *Jan 2018 - May 2018*
- Fostered the curiosity of children ages 5-12 in computers and technology through exposure to engineering
- Worked with kids once a week using Scratch and/or Code.org to teach basic coding concepts and skills
- Leveled the playing field in STEM by mentoring and teaching children of lower socioeconomic status

SKILLS AND INTERESTS

Software: Jira, Bitbucket, Git, Bamboo, Confluence, Wind River Workbench, Multisim
Operating Systems: Windows, Linux, Wind River VxWorks 653
Programming: Java, Python, C, C++, ARM Assembly
Interests: Competitive Soccer, Photography, Rock Climbing, Traveling, Farsi

REFERENCES – *Available upon request*