

Madeline Stager

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(512) 825-1152

EDUCATION

The University of Texas at Austin

Bachelor of Science in Computer Science

Expected Graduation Date: May 2018

GPA: 3.93

Austin Community College

Early College Start Dual Enrollment Program

GPA: 4.0

COMPLETED COURSEWORK

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| <ul style="list-style-type: none">• Computer Organization & Architecture• Data Structures• Discrete Mathematics for Computer Science• Creative Problem Solving• Introduction to Programing• Linear Algebra | <ul style="list-style-type: none">At Austin Community College• Calculus 1 to 3 (Differential, Integral, Multi-Variable)• Engineering Physics 1 & 2 <p>Planned Coursework (Spring 2016)</p> <ul style="list-style-type: none">• Principles of Computer (i.e. Operating) Systems• Intro to Probability and Statistics |
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SKILLS

- Experience with Java, C, LabVIEW and Python
- Exposure to C++, Verilog, X86-32 Assembly, JavaScript, HTML and CSS

WORK EXPERIENCE

National Instruments, Austin, TX

June 2015 –December 2015

Software Engineer Co-op – Instrument Drivers

- Developed drivers in LabVIEW and designed APIs for a variety of instruments including a Function Generator, Pressure Controller, PID Controller, Analog Filter, Low Noise Power Source, and Signal Analyzer
- Comprehensively tested and documented drivers to NI standards
- Utilized instrument unique command sets in API design and implementation, including SCPI command sets
- Implemented programmatic operations such as configuring, writing to, reading from, and triggering instruments

Philmont Scout Ranch, Cimarron, NM

May 2014 – August 2014

Ranger

- Educational guide and mentor to over 100 participants
- Used exceptional time management and prioritization to help participants maximize their experience
- Guided and coached participants to help develop a high functioning, independent team
- Independent decision making under a wide variety of environments

PROJECTS

- **TIC-TAC-TOE Game** - In Python created a GUI and algorithm to rate squares and choose the best move
- **Arduino** - Made light show with a variety of patterns using Individually addressable RGB lights in C++

ACTIVITIES & AWARDS

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| • Qualcomm Women's Collegiate Conference Participant by Invitation | 2015 |
| • National Center Women & IT Award for Aspirations in Computing – Central Texas Runner Up | 2013 |
| • Association for Computing Machinery UT Chapter Member | 2014-Present |
| • Women in Computer Science Member | 2014-Present |
| • Texas Women's Ultimate Frisbee | 2014-Present |
| • Venturing BSA- Crew President for two years | 2009-2013 |