

DARRELL KNAPE

dbknap@uh.edu
713-855-5109

5366 Apple Blossom Ln.
Friendswood, TX 77546

OBJECTIVE

To obtain an internship or Co-Op within the field of Electrical Engineering at Texas Instruments

EDUCATION

University of Houston - Houston, TX

Bachelor of Science, Electrical Engineering

May 2018

Concentration: Computers and Embedded Systems

GPA: 3.795

Relevant Courses: Circuit Analysis, Electronics, System and Signal Analysis, Microprocessor Systems, Program Applications, Applied Electromagnetic Waves, Technical Communications for Engineers, Digital Logic Design

WORK EXPERIENCE

National Science Foundation - Researcher 2016

- Researched real-time, embedded, cyber-physical, and functional reactive systems
- Created fault tolerance method that ensured fault tolerance for virtualized real-time systems
- Implemented and performed simulations of created fault tolerance model

Gulf Coast Aquatics - Manager 2014

- Maintained pool facility and ensured that it was properly supplied
- Managed Life guards, schedules, and special events
- Kept surveillance of pool patrons and ensured their safety
- Trained in CPR and First Aid

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, Assembly
- Application Software: Visual Studio, MATLAB, LabVIEW, LTspice, Atmel Studios, Arduino, Dev C++
- Computer Skills: Linux/Unix, MS Office

HONORS AND AWARDS

- Dean's List Fall 2014 - Spring 2016
- University of Houston's Honors College Inducted Fall 2014
- Academic Excellence Scholarship Awarded Fall 2014
- Cullen College of Engineering Merit Scholarship Recipient Awarded Fall 2016

LEADERSHIP POSTIONS/ ORGANIZATIONS

- President - UH 3pi Robotics 2015 – Present
- President - American Red Cross UH Chapter 2015 – Present
- UH VEX Robotics 2015 – Present
- IEEE 2015 – Present
- Honors Engineering Program 2015 – Present

COMMUNITY SERVICE

- Red Cross Disaster Action Team, Houston, TX 2013 – Present
Responding to disasters, organizing teams to respond to disasters, and assisting in client case work after disasters.
- Peer Assistance and Leadership, Friendswood, TX 2013 – 2014
Mentored at risk kids and assisted in various local school programs and events.