

# Frank DiRosa IV

---

1702 Deacon Drive Unit 203 · College Station TX, 77845

## Objective

- Seeking a summer internship for further experience in the field of Engineering and Technology

## Education

- Enrolled in the Dwight Look College of Engineering Honors at Texas A&M University [Class of 2018]
- Bachelor's in Electrical and Computer Engineering (GPA 4.0) [Class of 2018]
- Private Instruction in Computer Diagnosis and Assembly under Dr. Ivor G. Young

## Work Experience and Related Skills

**Research-** TAMU AggieChallenge, College Station, TX· 01/2016 – Present

- Aid in the research process involving design, user studies, data analysis and writing.

**Problem Solving-** Accounting Office of Frank DiRosa III CPA P.C., San Antonio, TX· 06/2013 – Present

- Develop, design and construct customized PC's for CPA firm as well as aid in setting up basic infrastructure.

**Performance Engineering-** Dell Performance Engr Intern, Round Rock, TX· 5/2015- 08/2015

- Design test cases for new code releases in the Dell infrastructure and provide analysis of resulting data.
- Engage in daily meetings and interacting/presenting to various managers/directors.

**Communication & Instruction-** TAMU ENGR 111 Peer-Teacher, College Station, TX· 08/2015- 12/2015

- Participate in one-on-one student discussions and tutoring as well as collaborate with fellow Peer-Teachers to help improve curriculum and teaching methods.

**Sales/Retail-** Academy Sports & Outdoors, San Antonio, TX· 06/2015 – 08/2015

- Practiced sales communication and strategies. Learn to handle customers in a product-client relationship.

**Leadership-** MacTEACH Tutoring Services, San Antonio, TX· 10/2013 – 4/2014

- Provided patient tutoring services for ELL students, children with motor skill disabilities, and private violin lessons to Burmese transfer elementary students.
- Managed a team of twenty to develop special academically involved projects like the Gifted and Talented program and the Burmese Music Program. Curriculum developed still in use today.

## Programming and Skills

Languages: C/C#/C++, FLTK, HTML & CSS, Javascript, Bootstrap, JQuery, Angular JS, Java, XAML, XML, JSON, Command Line/Batch, Swift, Verilog, Matlab, Labview, Latex, ASP.NET (Razor), SQL, Visual Basics.

Environments: Microsoft Office, AutoCAD, Inventor, SolidWorks, Git/Github, Unity Gaming Platform, Android Studio, Visual Studio, Eclipse, XCode, PSPICE Cadence, Arduino and Rasperry pi Platforms, Windows/Mac/Linux/Unix familiar, nodeJS/ .NET / Java Framework, Ionic, NeoLoad, AppDynamics.

Various Skills and Learning: Bread boarding, Soldering, PHP, Python, MIPS, ARM processor architecture, Assembly.

## Special/Personal Projects

- KANE Project: Aid in navigation for the visually impaired.
- PhysiotherAppy: Physical therapy assistant for home use to aid in exercises.
- Hackathon Reserver Application: third party application to aid in booking and scheduling of conference rooms.
- Raspberry Pi Server Project: Setup basic LAMP and WAMP server to host an HTML page.
- Miniature EMP Generator: Constructed miniature EMP using an old disposable camera and wire.
- Wild West Game: Ongoing video game being programmed in the Unity Player environment.
- Goal Tracker App: Create a hub for tracking on going and long term projects for different student organizations.
- Container Create: Designed and implemented container types of all kinds from vector and lists to trees and graphs.
- Speech Cadence Recognition Software: Attempt to recognize speaker by speech cadence and pauses.
- EV3 Automated Antiviral and Purification Pellet Dispenser- Classroom Team based project using Mindstorm Legos kit.
- NXT Waste Recycling Robot- Classroom Team based project using Mindstorms Lego kit.
- Free Lance Violinist