## EDUCATION

**EpicU Coding Bootcamp** February 2015  
Visual C#, SQL, HTML5, CSS, JS, JQuery

Final Project: Developing a web interface for customers of a Pool automation system called PoolHub.

**University of Texas at Dallas, TX** GPA 3.26/4.0  
Bachelor of Science in Mechanical Engineering May 2015

## EXPERIENCE

**Junior App Developer** Exigo, Irving, TX Jun 2016–Present

* Developed Native apps in C# using the Microsoft owned Xamarin Forms platform.
* Implemented iOS and Android apps for the customers of 3 new clients from scratch.

**Founder/Engineer** The First Prototype, Dallas, TX Jan 2016–Present

* Sourced clients, refined their business ideas, and proposed to develop technology projects for them.
* Projects primarily focus on the Internet of Things-Connecting sensors to mobile apps using microcontrollers.
* Won prizes in HackDFW, US State Dept. Fishackathon, & IncubateTX. See here: www.devpost.com/saamerm

**Compliance Engineer** Intertek, Plano, TX Jan 2015–Jan 2016

* Won an Intertek NPS Promoter Award for my excellent and pleasing work experience with clients.
* Deliberated the redesigning of products based on requirements of N. American, Intl. and European standards.
* Worked in the Hazardous Locations group to evaluate, test and certify specialized products sold worldwide.
* Successfully worked on 6 projects at the same time while keeping my efficiency consistent with company goals.

**Reliability Eng. Intern** Infigen Energy, Dallas, TX May 2014–Aug 2014

* Analyzed and presented the leading components, locations and causes for the company’s production downtime.
* Generated a new database for the wind turbine operator, for carrying out "major components"-failure analysis.
* Consolidated a data set to make mechanical parts reliability recommendations, of the 1200+ wind turbines.

**Global Quality Co-op/Intern** Flowserve Corporation, Irving, TX Oct 2013–May 2014

* Supported engineering teams with development of quality systems according to lean and six sigma principles.
* Improved accuracy and timeliness for preparation of reports by developing standardized tools and procedures.
* Carried out key business data analysis, reporting, quality improvement projects for the Fortune 500 Company.

## PROJECTS

**Hulk Hogan Shirt-rip** Strength of Materials Spring 2013

* Measured the tensile strengths and strains of different shirt types and orientations and compared the results.
* Related results to real life situations giving a feeling for the little strength required by anyone to tear a shirt.

**1965 Cobra Car 3D Print** Computer Aided Design Fall 2012

* Designed and Analyzed w/Finite Element Analysis (FEA) & Rapid-Prototyped a car skeleton using advanced CREO.
* Explained the model’s advanced surface modeling, complex differential gear system and fork-suspension.

**Timer Electric Circuit** Electromagnetism and Waves Spring 2012

* Led a team of 8 to construct and present the circuit using inverters, transformers and IC chips and oscilloscopes.
* Explained the circuit and the way it is tweaked to give signals for a range of real-life and industrial purposes.

## ACTIVITIES/AWARDS

* Recipient, Academic Excellence Scholarship 2011–present
* Active Volunteer, UNICEF-UTD Chapter 2011–present
* Senator, UT Dallas Student Government 2011–2012

## PROFESSIONAL SKILLS

Microsoft Visual Studio, C#, Xamarin Forms, C++, C, MSSQL, MySQL, HTML5, Wordpress, CSS, GitHub, Microsoft Project, SharePoint, Word, Excel, PowerPoint, Visual Basic, Arduino, Robotics, CREO Parametric (ProE), MATLAB.