

RAZ FRIMAN



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razfriman

Programming Language

Frameworks

Technologies

Interests

Awards

Languages

Experience

Jul 2016
Oct 2017

Enterprise Software Engineer II

SpaceX

- Mentored an intern while we developed a FMECA (Failure Mode Effects and Criticality Analysis) tool for analyzing and detecting single points of failures on the rocket
- Designed and implemented integrations for commands and telemetry into the procedure running and authoring system used by all launch engineers
- Implemented the algorithm that assigns Falcon-9 serial numbers to each SpaceX rocket booster
- Created and implemented framework that tags serial numbers and missions to rocket boosters while taking rocket reusability into account
- Led initiative to introduce and integrate Elasticsearch into the Information Systems department for full- text searching

Aug 2010
May 2016

Software Engineer

In-Com Data Systems

- Designed and implemented Language Parsing/Analysis Framework. (C#, ASP.NET, ANTLR)
Currently in use at JP Morgan Chase, Thompson Reuters, Nissan Motors, Southwest Airlines and other Fortune-500 companies
Includes public APIs for use by clients
Supports: COBOL, Java, C#, VB.NET, VB6, C, Assembly
Created Control Flow Analysis Engine and Data Flow Analysis Engine

Education

2015 - 2016 **M.S. Computer Science** (GPA: 3.7) Southern Methodist University, Texas

2012 - 2016 **B.S. Computer Science** (GPA: 3.83) Southern Methodist University, Texas
Minor in Mathematics

Projects

- ARWorld Created a multiplayer iOS application using ARKit that allows users to collaboratively draw in 3D space using their phones. Swift, ARKit, C#, .NET Core
- TeslaLib Implemented C# Library to access Tesla Motors' API to manage the car's settings. C#
- MyRealEstate Application to help owners manage rental properties and track investments. Includes functionality for tenants to communicate with their landlord and make payments. Implemented NodeJS backend API as well as an iOS frontend. NodeJS, AngularJS/JavaScript, Swift
- Out&About Cofounded startup to organize social event for groups. Implemented hybrid mobile application for iOS and Android. Ionic, Cordova, AngularJS/JavaScript
- Snap-2-Ask Graphical question/answer service. Implemented iOS frontend and REST API backend. Objective- C, PHP
- MapleStoryHooks Developed an application to decrypt TCP/IP packets for online game by reverse engineering the game client's internal network functions and hooking them to intercept unencrypted data. C#, C++, Assembly