

RAZ FRIMAN



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razfriman

Programming Languages

C# • Angular 2/4+ • AngularJS • TypeScript • JavaScript • Java • Swift • Objective-C • Python • VB.NET • PHP • C++ • C • SQL • MATLAB • Assembly • NodeJS • HTML5 • LESS/SASS

Technologies

Docker • ASP.NET • .NET Core • WPF • Windows Forms • Entity Framework • LINQ • ANTLR • MongoDB • Amazon Web Services • Parse • Firebase • MySQL • Reverse Engineering • Elasticsearch • Continuous Integration

Interests

Traveling • Hiking • Cooking • Baking • Photography • Aerial Photography

Awards

- Winner, SMU Big iDeas Business Plan Competition
- Upsilon Pi Epsilon Engineering Honor Society
- First Place, SMU Sorting Algorithm Competition

Languages

- English (US Citizen)
- Hebrew

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, 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 and Data-Flow Analysis Engine

Education

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

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

Projects

ARWorld *Swift, ARKit, C#, .NET Core*

- Created a multiplayer iOS application using ARKit that allows users to collaboratively draw in 3D space using their phones.

TeslaLib *C#*

- Implemented C# Library to access Tesla Motors' API to manage the car's settings.

MyRealEstate *Swift, AngularJS, NodeJS, MongoDB*

- Application to help owners manage rental properties and track investments. Includes functionality for tenants to communicate with their landlord and make payments.

Out&About *Ionic, Cordova, AngularJS*

- Cofounded startup to organize social event for groups. Implemented hybrid mobile application for iOS and Android.

Snap-2-Ask *Objective-C, PHP, MySQL*

- Graphical question/answer service. Implemented iOS frontend and REST API backend.

MapleStoryHooks *C#, C++, Assembly*

- Developed an application to decrypt TCP/IP packets for an online game by reverse engineering the game client's internal network functions and hooking them to intercept unencrypted data.