**Fahran Kamili**

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**EDUCATION**

**The University of Texas at Austin**, Austin, TX Expected December 2016

*Bachelor of Science in Mathematics*

**Relevant Coursework**: Data Structures, Intro to Programming, Statistical Learning and Data Mining, Programming Language

**EXPERIENCE**

**Visa** , Foster City, CA May 2016 – August 2016

*Software Engineering Intern*

**Technology used**: Angular JS, Node JS, Jison

* Developed context free grammar parser that utilize Jison, a JavaScript implementation of Bison
* Applied my knowledge of Lexical analysis and Yacc to develop this parser
* Integrated my parsing engine to the company wide testing framework

**uShip**, Austin, TX May 2015 – August 2015

*Software Engineering Intern, API & Infrastructure team*

**Technology used**: .NET, C#, NUnit, MySQL, NHibernate, RabbitMQ & Mass Transit , Mashery, Mercurial version control, Nuget package manager

* Developed RESTful API using .NET MVC framework
  + Fixed bugs on handling the authorization for third party application
  + Handled Invalidation of third party application’s authorization token using Mashery
  + Created unit test using NUnit testing framework
  + Created REST test using Gherkin based fra famework Xbehave
* Created a number of SQL procedure using Object-Relational Mapper NHibernate
* Researched and Implemented optimization for publish/subscribe messaging pattern using MassTransit and RabbitMQ
  + Improved the subscribing speed by 200%
* Created Python uShip sdk using Swagger during uShip hackathon

**PROJECTS**

**SwiftPy**

Implementation of Swift’s switch statement that compiled down to Python <https://github.com/kerrorro/PLFinal/tree/master/Swift>

* Developed a Swift’s switch statement interpreter utilizing Lex and Yacc that compiles down to Python
* Utilizing Python’s lambda feature to execute the interpreted Swift’s expression

**Intellitapp**

An Android App that connect student to local tutors

<https://github.com/FronTexas/Intellitap/>

*Android developer , Team member*

Tech Stack – Front end : Android , iOS , Angular JS. Back end – Java REST , SQL , JDBC

* Developed Android app that lets user search and book for local tutors