

David Ko
davidpeterko.github.io

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Education

- **University of Texas**
BS, Computer Science

Austin, TX
August 2009 - August 2015

Work Experience

- **Family Tree DNA**
QA Automation Engineer

Houston, TX
October 2015 - January 2018

- C# Selenium Browser Automation
- Full Stack Unit & Functional Testing
- Stress, Load, and Performance Testing
- Data Validation
- Work Development:
 - * Created a C# Selenium testing framework wrapper for use on our websites for all browsers
 - * Created a nightly automation test suite for regression for all environments
 - * Used Gatling to load and stress test new applications to ensure they can handle the traffic of our userbase

- **Family Tree DNA**
Full Stack Software Developer

Houston, TX
January 2018 - Present

- C# / .NET including ASP.net MVC, Entity Framework, LINQ
- Frontend HTML, CSS, Javascript/AngularJS
- RDBMS, Apache Cassandra, Apache TinkerPop, DataStax Enterprise (DSE Graph, Spark, Solr)
- Work Development:
 - * Developed new features for our website up to our coding standards
 - * Developed APIs, services, and SDKs for a more distributed code base
 - * Improved and fixed bugs on old features including refactoring ASPX pages into the Angular MVC model
 - * Optimized and improved database objects by refactoring tables, procedures, and models

Skills

Languages: C#, Java, C/C++, HTML, CSS, Javascript, Angular 1 & 2+, SQL, CQL, TinkerPop Gremlin, R, Shell Scripting, L^AT_EX.

Operating Systems: MacOSX, Linux (Ubuntu, Kali, MINT, Arch), Windows XP/7/8/10.

Applications & Tools: Visual Studio, Powershell / Terminal, Linux Command Line, JIRA, Git Source Control, Eclipse, Team City, Octopus Deploy, Bootstrap, Angular Material

Miscellaneous: 12 years of Mandarin Chinese

In Progress: Distributed Systems, Big Data Implementations, XCode, Swift, Python