# David Huang

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# Profile

* + - A versatile, hardworking software developer that enjoys problem-solving and learning new things.
    - Enthusiastic team player that is dedicated to resolving issues in an efficient and elegant manner.
    - Organized planner that strives to improve the quality of systems design, documentation and code.
    - Efficient algorithm designer with knowledge in data structures and algorithms, striving to create efficient time and space complexity algorithms. Always practicing on LeetCode when the opportunity arises.

Technical Skills

* + Familiar languages: C, C++, Java, JavaScript, JQuery, Sql/Plsql, Html, XML, CSS, Advanced Business Language(ABL), PHP.
  + Familiar frameworks: asp.Net, Bootstrap, Angular 1, Karma Jasmine, Electron.
  + Familiar IDE’s: Android Studio, Eclipse, Visual Studio, ATOM, Notepad++, DeveloperStudio
  + Knowledgable in web services and writing Restful, Soap API’s.
  + Familiar with build and management tools such as Maven, Travis, Jenkins, JIRA, ANT and MAKE.
  + Familiar with Azure database, Firebase, and Firebase cloud messaging service.
  + Experience with designing efficient systems using Star UML and Sql database servers.
  + Familiar with Git, SVN, Terminal and UNIX environment.
  + Experience working in Agile and Waterfall environments.
  + Experience with enterprise level messaging platforms such as Solace and IBM MQ Websphere.

Related Work Experience

* + - **Junior Developer -** Strategic Information Technology**, Stouffville , April 2017-September 2017** 
      * Investigated client bugs, fixed client bugs using ABL(advanced Business Language), and regression tested alongside client services.
      * Automated Database script by building:
        + GUI Interface with options to choose which database table to reset, populate or destroy.
        + CMD capabilities accepting multiple parameters for generating, destroying or reseting database.
        + Wrote Unit Tests using karma jasmine and ABL.

# Education

* + **Seneca College**
    - **Honours** **Bachelor Of Technology -** Software Development **, September 2014-September 2018**

Personal Projects

* + **WorkForce++ -** Java, Javascript, Bootstrap, PHP, Firebase Server, **Android/Web app**
    - Built work management android application used by employees and management team.
    - Created Algorithms used to generate employee schedule based on employees availability.
    - Created shift swapping feature that allows users to view/swap shifts with other employees which then has to be approved by the manager.
    - Wrote scripts for Raspberry pi with RFID scanner that allows user to punch in and out of work.
  + **Password Manager -** Javascript, Bootstrap, Electron Framework, Firebase Server**, Desktop app**
    - Created password manager that allows users to store passwords that are encrypted/hashed server side, and then committed into the database.
    - Created algorithm that allows users to randomly generate a password based on requirements. Also allows users to create passwords using real english words.

Reference

Reference will be provided upon request.