

STUART HAMBLIN

SOFTWARE DEVELOPER

My dedication to solving a larger breadth of problems stems from my background as a Mechanical Engineer transitioning into software development. I have worked efficiently on teams to complete cost effective projects without compromising safety or airworthiness.

EDUCATION

Codeup **2/2019**
Certificate of completion, Java Full Stack
Computer Software Engineering

University of Arizona **5/2011**
Bachelor of Science in Mechanical Engineering,
Math Minor

SKILLS

Java, Java EE, MySQL, Vue.js Framework, Spring
Boot/MVC, Git Version Control, HTML, CSS,
Bootstrap, Materialize, JavaScript, jQuery, Tone.js

PROJECTS

Maze Generator **2/2019**
Wanting to know more about data structures and
algorithms led me to create a maze generator that
utilizes Wilson's Algorithm in Java.

Tuuna Music Maker **1/2019**
My love for music sparked my passion to create a
music application where compositions can be
shared with friends and loved ones.

Fixer Lister **12/2018**
With my passion for home renovation, I created a
full stack application where users can
add/edit/delete home repair ads.

LEADERSHIP/SERVICE

Child Advocate of San Antonio (CASA), Camp
Thunderbird Wilderness Counselor, Non-profit
Camp Wildcat Director/Treasurer/Counselor, TABC
Alumni Choir/Counselor, Eagle Scout.

EXPERIENCE

ST Engineering, San Antonio, TX
Mechanical Design Engineer **7/2014-9/2018**

Designed cabin wide structural drawings for VIP
interiors using GD&T. Performed Engineering
Liaison for fabrication/production for Boeing 737/777
aircraft. Design of part installations for 737, 757, 777,
787, A320, A330, A350, and A380. Researched
Boeing manuals for Removal/Salvage Documents,
and engineering planning.

Southwest Turbine, Phoenix, TX
Contract Mechanical Engineer **2/2014-5/2014**

Designed remanufactured replacement parts (PMA)
for Turboprop, Turbofan, and APU gas turbine
engines. Compilation of 300+ page FAA
data/submittal package for overhaul/repair of a
turbine vane.

Expert Aerospace LLC, Phoenix, AZ
Design Engineer **7/2012-12/2013**

Designed mechanical aircraft parts providing data
substantiation of functions of part features and how
they affect the interchangeability/form/fit/ function of
upper level assemblies in FAA PMA submittals.
Compiled metallurgical data to determine suitable
alternate materials with heat treatment, applicable
surface treatments, and inspections procedures.

Kaman Aerospace, Tucson, AZ
Design Engineer **6/2010-12/2011**

Designed mechanical, electromechanical, and
electro-optic assemblies in laser measuring
systems. Maintained database and technical
documents for the JMEWS project. Developed
testing/calibration procedures for laser modules.

CONTACT

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