```
 /////   ///    ////    ////  ///   //    /////  // /////  //   // ///   ///   ////  ///  // /////
  // ////   //   //    // //// //    //    //  //    //   //  //   // ////  ////   //  //  ////  //    //
  // //   //   //   //   //  //// //  //    //    //  //   //  //    //////  //////  // // ///   // // //// //   //
  // //  //////    // //   // // ///   //   // //  //    // //  // //  ///   // //    //  //  ///   //
 ///// //  // /////  ////  //   //    //    // /////  //  // //       //  ////  //   // /////
```

EMAIL: *me@jason.richmond.is* ~ TEXT: *574.855.6954* ~ SITE: *jason.richmond.is*

~~~~~~
       * M.S. in Computer Science familiar with a diverse array of languages, platforms, and domains
         seeking to further expand software engineering capabilities in a professional setting.
       * Offers five years experience developing programs in an academic setting in addition to
         teaching students of all ages and aptitudes the art of programming.
       * Thrives in collaborative work environments where ego takes a backseat to doing great work
         and solving the problem at hand.
       * Dealt with clients and engineered solutions for small businesses in prior career.
~~~~~~

WEB DEVELOPMENT SKILLS   WORK EXPERIENCE
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~   *~~~~~~*
ACQUIRING: LEAD INSTRUCTOR   2018 ~ 2020
  Full-stack Development   South Bend Code School
  Microservices   * Crafted interactive learning path spanning eleven lessons of around 25k
  REST   words in p5.js, giving students an introduction to class-based object-
  Serverless   oriented programming.
  Angular   * Laid a concrete foundation for primary and secondary school students to
  Django   build out abstract programming concepts using Scratch, Web Dev, Unity,
  NoSQL   Javascript, and Python.
  React   * Attended to the struggling to help them understand that coding is about
  Redux   embracing failure and not giving up.
  Typescript   * Entrusted with running the Elkhart branch and being liazon to local
EMPLOYING: schools keeping the relevant stakeholders happy and extending Code
  Front-end Web Design   School reach.
  Node.js
  Docker   *~~~~~~*
  p5.js   LEARNING FACILITATOR   2016 ~ 2019
  Javascript   *Academic Center For Excellence*
  HTML   * Equipped dozens of graduates and undergraduates of all levels having
  CSS   trouble grokking the theory and practice of Computer Science with the
  Markdown   knowledge and skills to succeed.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~   * Debugged hundreds of student-written programs, usually on a tight dead-
DATA ENGINEERING SKILLS   line before submission without reference to a working answer.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~   * Convinced the department to retain early Friday hours for those getting
ACQUIRING: a head start on the weekend.
  MySQL   * Collaborated with professors to help compress the complex world of code
  Pandas   into the tangible everyday for entry-level students.
  PySpark
  Hadoop   *~~~~~~*
  R   ACADEMIC EXPERIENCE
EMPLOYING: *~~~~~~*
  Machine Learning   MASTER OF SCIENCE ~ *Computer Science*   2021
  Neural Networks   *Indiana University South Bend*   GPA: 3.7
  AI   * Studied a wide spectrum in the discipline, from artificial intelligence
  SQL   to algorithm analysis, networking to neural networks, graphics to
  Java   games, even writing the opcodes for a simulated CPU to run a puck-like
  Python   robot with programmed with enough AI to navigate a maze.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ADDITIONAL KNOW-HOW   *~~~~~~*
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~   MASTER'S PROJECT ~ *Counternote Compiler*
  Procedural Programming   * Implemented a compiler for an original musical language written in
  Functional Programming (FP)   7-bit ASCII, designed to be readable, typeable, singable, and share-
  Unit Testing   able, with chromaticism, music theory, and rhythm built in to com-
  Test-driven Development   plement the diatonicity of traditional notation.
  Gang of Four Design Patterns
  UI/UX Design   *~~~~~~*
  Git   BACHELOR OF ARTS ~ *Anthropology, Linguistics, Economics*
  C/C++   *Indiana University Bloomington*

```python
import json; from collections import namedtuple; from datetime import date as d
##################################################################################################
resume = open('../data.json'); date = d.today().strftime('%Y.%m.%d')
dat = json.load(resume,object_hook=lambda d: namedtuple('X', d.keys())(*d.values()))
info = dat[0]; ed = dat[1]; work = dat[2]; craft = dat[3]; web = craft.skills.web; data = craft.skills.data
cl = 31; gut = 5; cr = 75; bs = '\\'; t = 2; indent = 8; full = cl + gut + cr; nl = '\n'; text = ''
# DISPLAY NAME IN LARGE ASCII FONT ###############################################################
def display(l,s=''):
  for i in range(len(l)):
    ((s := f'''{s}{l[i]*'/'}''') if i%2 else (s := f'''{s}{l[i]*' '}''')) # alternate spaces and numbers
  return s
# VALUES FOR DISPLAY FONT ########################################################################
a = [5,5,3,3,5,4,4,4,3,3,3,2,4,6,3,2,2,5,2,2,3,2,1,3,4,3,3,4,3,3,3,2,1,5]
b = [7,2,2,2,1,2,2,2,6,2,4,2,1,4,2,2,4,2,3,2,2,2,1,2,3,2,1,2,3,2,1,4,2,4,1,2,4,2,1,4,2,2,1,2,2,2]
c = [6,2,1,2,3,2,3,3,3,2,4,2,1,2,1,5,4,6,3,2,1,2,6,7,1,2,1,4,1,2,1,2,4,2,1,2,1,5,1,2,3,2]
d = [0,2,3,2,1,7,6,2,1,2,4,2,1,2,3,3,4,2,3,2,2,2,1,2,3,2,1,2,3,2,1,2,2,2,2,2,2,1,2,4,2,1,2,3,3,1,2,3,2]
e = [0,5,2,2,3,2,1,6,4,4,3,2,4,2,4,2,4,2,1,2,2,5,2,2,3,2,1,2,6,2,3,4,3,2,4,2,1,6]
# CONTACT INFORMATION AND AIM ####################################################################
info_fields = f'EMAIL: {info.email} ~ TEXT: {info.phone} ~ SITE: {info.site}'
full_column = [nl,display(a),display(b),display(c),display(d),display(e),nl,
f'''{(full-len(info_fields)-7)*' '}{info_fields}\n\n*{(full-2)*'~'}*''',
f'''{indent*' '}* {info.text[0][:91]}\n{indent*' '}  {info.text[0][92:]}''',
f'''{indent*' '}* {info.text[1][:86]}\n{indent*' '}  {info.text[1][87:]}''',
f'''{indent*' '}* {info.text[2][:89]}\n{indent*' '}  {info.text[2][90:180]}''',
f'''{indent*' '}* {info.text[3][:91]}\n*{(full-2)*'~'}*''']
# WEB SKILLS ACQUIRING ###########################################################################
wds = web.name; lvl = 'acquiring'; w = web.acquiring;
left_column = [f'''{f'{wds.upper()}'+(cl-len(f'{wds}'))*' '}{gut*' '}''',f'''*{(cl-2)*'~'}*{(gut)*' '}''',
f'''{lvl.upper()}:{(cl-len(lvl+':'))*' '}{gut*' '}''',f'''{t*' '}{w[0]+(cl-len(w[0])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[1]+(cl-len(w[1])-t)*' '}{gut*' '}''',f'''{t*' '}{w[2]+(cl-len(w[2])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[3]+(cl-len(w[3])-t)*' '}{gut*' '}''',f'''{t*' '}{w[4]+(cl-len(w[4])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[5]+(cl-len(w[5])-t)*' '}{gut*' '}''',f'''{t*' '}{w[6]+(cl-len(w[6])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[7]+(cl-len(w[7])-t)*' '}{gut*' '}''',f'''{t*' '}{w[8]+(cl-len(w[8])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[9]+(cl-len(w[9])-t)*' '}{gut*' '}''']
# WEB SKILLS EMPLOYING ###########################################################################
lvl = 'employing'; w = web.employing; left_column += [f'''{lvl.upper()}:{(cl-len(lvl+':'))*' '}{gut*' '}''',
f'''{t*' '}{w[0]+(cl-len(w[0])-t)*' '}{gut*' '}''',f'''{t*' '}{w[1]+(cl-len(w[1])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[2]+(cl-len(w[2])-t)*' '}{gut*' '}''',f'''{t*' '}{w[3]+(cl-len(w[3])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[4]+(cl-len(w[4])-t)*' '}{gut*' '}''',f'''{t*' '}{w[5]+(cl-len(w[5])-t)*' '}{gut*' '}''',
f'''{t*' '}{w[6]+(cl-len(w[6])-t)*' '}{gut*' '}''',f'''{t*' '}{w[7]+(cl-len(w[7])-t)*' '}{gut*' '}''',
f'''*{(cl-2)*'~'}*{(gut)*' '}''']
# DATA SKILLS ACQUIRING ##########################################################################
des = data.name; lvl = 'acquiring'; d = data.acquiring;
left_column += [f'''{f'{des.upper()}'+(cl-len(f'{des}'))*' '}{gut*' '}''',f'''*{(cl-2)*'~'}*{(gut)*' '}''',
f'''{lvl.upper()}:{(cl-len(lvl+':'))*' '}{gut*' '}''',f'''{t*' '}{d[0]+(cl-len(d[0])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[1]+(cl-len(d[1])-t)*' '}{gut*' '}''',f'''{t*' '}{d[2]+(cl-len(d[2])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[3]+(cl-len(d[3])-t)*' '}{gut*' '}''',f'''{t*' '}{d[4]+(cl-len(d[4])-t)*' '}{gut*' '}''']
# DATA SKILLS EMPLOYING ##########################################################################
lvl = 'employing'; d = data.employing; left_column += [f'''{lvl.upper()}:{(cl-len(lvl+':'))*' '}{gut*' '}''',
f'''{t*' '}{d[0]+(cl-len(d[0])-t)*' '}{gut*' '}''',f'''{t*' '}{d[1]+(cl-len(d[1])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[2]+(cl-len(d[2])-t)*' '}{gut*' '}''',f'''{t*' '}{d[3]+(cl-len(d[3])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[4]+(cl-len(d[4])-t)*' '}{gut*' '}''',f'''{t*' '}{d[5]+(cl-len(d[5])-t)*' '}{gut*' '}''',
f'''*{(cl-2)*'~'}*{(gut)*' '}''']
# OTHER DEV KNOW-HOW #############################################################################
d = craft.skills.dev; add = d.name;
left_column += [f'''{add.upper()}{(cl-len(add))*' '}{gut*' '}''',f'''*{(cl-2)*'~'}*{(gut)*' '}''',
f'''{t*' '}{d[1]+(cl-len(d[1])-t)*' '}{gut*' '}''',f'''{t*' '}{d[2]+(cl-len(d[2])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[3]+(cl-len(d[3])-t)*' '}{gut*' '}''',f'''{t*' '}{d[4]+(cl-len(d[4])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[5]+(cl-len(d[5])-t)*' '}{gut*' '}''',f'''{t*' '}{d[6]+(cl-len(d[6])-t)*' '}{gut*' '}''',
f'''{t*' '}{d[7]+(cl-len(d[7])-t)*' '}{gut*' '}''',f'''{t*' '}{d[8]+(cl-len(d[8])-t)*' '}{gut*' '}''',]
# WORK EXPERIENCE ################################################################################
wex = work.name; sbcs = work.sbcs; yrs = f'{sbcs.start} ~ {sbcs.end}'
right_column = [f'''{(cr-len(f'{wex}'))*' '}{wex.upper()}''',f'''*{(cr-2)*'-'}*''',
# SBCS ###########################################################################################
f'''{sbcs.role.upper()}{(cr-len(sbcs.role)-len(yrs))*' '}{yrs}''',f'''  {sbcs.name.title()}''',
f'''  * {sbcs.text[0][:71]}''',f'''    {sbcs.text[0][72:142]}''',f'''    {sbcs.text[0][142:]}''',
f'''  * {sbcs.text[1][:71]}''',f'''    {sbcs.text[1][72:143]}''',f'''    {sbcs.text[1][143:]}''',
f'''  * {sbcs.text[2][:71]}''',f'''    {sbcs.text[2][72:]}''',f'''  * {sbcs.text[3][:67]}''',
f'''    {sbcs.text[3][68:134]}''',f'''    {sbcs.text[3][135:]}''','',f'''*{(cr-2)*'~'}*''']
# ACE ############################################################################################
ace = work.ace; yrs = f'{ace.start} ~ {ace.end}'
right_column += [f'''{ace.role.upper()}{(cr-len(ace.role)-len(yrs))*' '}{yrs}''',
f'''  {ace.name.title()}''',f'''  * {ace.text[0][:68]}''',f'''    {ace.text[0][69:138]}''',
f'''    {ace.text[0][139:]}''',f'''  * {ace.text[1][:70]}-''',f'''    {ace.text[1][70:]}''',
f'''  * {ace.text[2][:71]}''',f'''    {ace.text[2][72:]}''',f'''  * {ace.text[3][:71]}''',
f'''    {ace.text[3][72:]}''','',f'''*{(cr-2)*'-'}*''']
# EDUCATION ######################################################################################
aex = ed.name; grad = ed.grad; deg = f'{grad.degree.upper()} ~ {grad.major.title()}'; g = 'gpa: '
right_column += [f'''{(cr-len(f'{aex}'))*' '}{edu.upper()}''',f'''*{(cr-2)*'~'}*''',
# GRAD ###########################################################################################
f'''{deg}{(cr-len(deg)-len(grad.year))*' '}{grad.year}''',
f'''  {grad.school.title()}{(cr-len(grad.school)-len(g)-len(str(grad.gpa))-2)*' '}{g.upper()}{grad.gpa}''',
f'''  * {grad.text[0][:71]}''',f'''    {grad.text[0][72:137]}''',f'''    {grad.text[0][138:208]}''',
f'''    {grad.text[0][209:]}''','',f'''*{(cr-2)*'~'}*''']; proj = ed.grad.project
# PROJECT ########################################################################################
right_column += [f'''{proj.name.upper()} ~ {proj.title.title()}''',f'''  * {proj.text[0][:66]}''',
f'''    {proj.text[0][67:134]}-''',f'''    {proj.text[0][134:199]}-''',f'''    {proj.text[0][199:]}''','',
f'''*{(cr-2)*'~'}*''']
# UNDERGRAD ######################################################################################
un = ed.undergrad; maj = f'''{un.major.anth.title()}, {un.major.ling.title()}, {un.major.econ.title()}'''
right_column += [f'''{un.degree.upper()} ~ {maj}''',f'''  {un.school.title()}''']
# PRINT TEXT #####################################################################################
for line in full_column:
  text += line + '\n'
leftright = zip(left_column,right_column)
for line in leftright:
  text += line[0] + line[1] + '\n'
# WRITE TO TEXT FILE #############################################################################
output = open('../text-resume/resume.txt', 'w');output.write(text)
```