

## **Applied Research Laboratories Apprenticeship Program Application Checklist**

Graduating high school seniors must meet the following criteria to be considered for the program.

- Plan to attend a senior college beginning with the Fall 2018 semester.
- Have both applied to and been accepted at UT Austin.
- Major within the College of Engineering or Natural Sciences. (Preference is given to students attending UT Austin and whose intended majors are electrical, mechanical, and aerospace engineering; physics; mathematics; and computer science).
- Be a U.S. citizen.

If you meet the criteria listed above and are interested in applying, please submit the following:

- The Apprenticeship Application (this form).
- A résumé (a sample and suggestions are available at <http://bealonghorn.utexas.edu/freshmen/admission/resume>)
- An original high school transcript
- Copies of your SAT and/or ACT scores.

Information about the Apprenticeship Program (IR&D) is located at <https://www.arlut.utexas.edu/education.html>

**Application must be received at Applied Research Labs by March 9, 2018.**

**(Applications received after this date will not be considered.)**

**The program dates are 6/6–8/16/18. However, if you are a student in Leander ISD, Pflugerville ISD, Del Valle ISD, or Dripping Springs ISD, your program dates are 6/11–8/16.**

**Time off (unpaid) other than listed program dates is only allowed to attend freshman college orientation.**

**Please send your full Apprenticeship Program application and résumé as email attachments to** Christy Habecker at [habecker@arlut.utexas.edu](mailto:habecker@arlut.utexas.edu).

Please **DO NOT** take a photo of your application with your cell phone; if you need to scan your completed application use a mobile app like Scanner Pro.

Please see your high school registrar and have them submit your original transcript with class rank, and include SAT/ACT scores, if available. If these scores are not included on your transcript, please submit a copy from the College Board. Be sure to allow time for your transcript to be mailed.

**If you choose, you may mail application materials to**

Apprenticeship Program  
HR Office  
Applied Research Laboratories  
P.O. Box 8029  
Austin, TX 78713-8029

### APPLICATION QUESTIONNAIRE

**Applied Research Laboratories  
Science and Engineering Apprenticeship Program  
Summer 2018  
Applied Research Laboratories  
The University of Texas at Austin**

Application must be received at ARL by March 9, 2018. Allow time for your transcript to be mailed.

Name:	<input type="text"/>	Date Form Completed:	<input type="text"/>
	(First) (Last)		
High School:	<input type="text"/>	Graduation Date:	<input type="text"/>
If you were referred to this program by your teacher or counselor, please list their information here.			
Teacher (full name):	<input type="text"/>		
Counselor (full name):	<input type="text"/>		
Home Address:	<input type="text"/>		
	(Street Address)		
	<input type="text"/>		
	(City)	(State)	(Zip Code)
Daytime Phone:	<input type="text"/>	Evening Phone:	<input type="text"/>
E-Mail Address:	<input type="text"/>		
U.S. Citizen? Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
UT EID:	<input type="text"/>		

*These text boxes will hold many wrapped lines. As you type, the rows will increase and move up.*

1. Have you formally accepted admission to a specific university at this time? If so, which one?

2. What is your intended college major and why have you chosen this major?

3. List the high school math and science courses you have taken, including those in which you are currently enrolled.

4. List any extracurricular activities in which you are involved.

5. Have you had any experience with electronic or mechanical systems such as hobbies involving model building, amateur radio, science fair projects, or playing musical instruments? Please explain.

6. What is your level of experience in working with computer hardware and/or software? Please explain.

7. What would you like to gain from a summer internship in science and/or engineering?

8. What are your plans and long term goals for your career?

9. List any honors or awards you may have received not listed on your resume (i.e., National Honor Society, merit scholar, science fair competition, music, UIL competition, Scouts, etc.).

Use this additional input text field to continue the answers to any of questions 1 through 9. Then answer question 10 on following pages.

10. Here is a logic puzzle that is fun to work. Give it a try. The answer should include a table showing the favorite color, job, book brought and borrowed, and the car driven for each of the eight couples.

**The Puzzle:** Eight married couples meet to lend one another some books. Couples have the same surname, employment, and car. Each couple has a favorite color. Furthermore, we know the following facts:

1. Daniella Black and her husband work as shop assistants.
2. The book *The Seadog* was brought by a couple who drive a Fiat and love the color red.
3. Owen and his wife, Victoria, like the color brown.
4. Stan Horricks and his wife, Hannah, like the color white.
5. Jenny Smith and her husband work as warehouse managers, and they drive a Wartburg.
6. Monica and her husband, Alexander, borrowed the book *Grandfather Joseph*.
7. Mathew and his wife like the color pink and brought the book *Mulatka Gabriela*.
8. Irene and her husband, Oto, work as accountants.
9. The book *We Were Five* was borrowed by a couple driving a Trabant.
10. The Cermaks are both ticket collectors who brought the book *Shed Stoa*.
11. Mr. and Mrs. Kuril are both doctors who borrowed the book *Siovacko Judge*.
12. Paul and his wife like the color green.
13. Veronica Dvorak and her husband like the color blue.
14. Rick and his wife brought the book *Siovacko Judge*, and they drive a Ziguli.
15. One couple brought the book *Dame Commissar* and borrowed the book *Mulatka Gabriela*.
16. The couple who drive a Dacia loves the color violet.
17. The couple who work as teachers borrowed the book *Dame Commissar*.
18. The couple who work as agriculturalists drive a Moskvitch.
19. Pamela and her husband drive a Renault and brought the book *Grandfather Joseph*.
20. Pamela and her husband borrowed the book that Mr. and Mrs. Zajac brought.
21. Robert and his wife like the color yellow and borrowed the book *The Modern Comedy*.
22. Mr. and Mrs. Swain work as shoppers.
23. *The Modern Comedy* was brought by a couple driving a Skoda.

Who likes violet? And can you find out everything about everyone from this?

Use the input field box below to fill in your answer and explain how you solved Question #10. You may use an additional sheet if necessary.



# Human Resources

## Employment Application

For non-academic positions less than 20 hours per week or less than 4½ months in length  
CC020 · Revised 8/2016

The University of Texas at Austin does not discriminate on any basis prohibited by applicable law including race, color, religion, sex, national origin, disability, age, citizenship status, veteran or disability status in recruitment, employment, promotion, compensation, benefits or training. It is also the university's policy to maintain a work environment free from discrimination on the basis of sexual orientation. The information on the Application, together with any attachments, is the property of the university.

Answer **all** questions completely. Please return completed application to the department to which you are applying.

Mark if currently employed at UT Austin  
 Mark if eligible to work in the US

Last name \_\_\_\_\_ First name \_\_\_\_\_ Middle initial \_\_\_\_\_ UT EID \_\_\_\_\_

Street address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_

Daytime phone \_\_\_\_\_ Evening phone \_\_\_\_\_ E-mail address \_\_\_\_\_ Date available to start work \_\_\_\_\_ Hours per week available \_\_\_\_\_

If you are related by kinship or marriage to any current employee or to any member of the Board of Regents of The University of Texas System, provide their name, relationship and department.

If your age is below 18 years, give date of birth \_\_\_\_\_ If you are a UT Austin student, how many hours are you currently enrolled? \_\_\_\_\_

Current driver's license type  Commercial  Operator  None

**Education** General education  High School graduate  GED  Other Highest grade completed \_\_\_\_\_

School name and location \_\_\_\_\_

Beginning attendance date (MM/YYYY) \_\_\_\_\_ End attendance date (MM/YYYY) \_\_\_\_\_ Major(s) \_\_\_\_\_

Currently enrolled  Graduated Undergraduate hours \_\_\_\_\_ Graduate hours \_\_\_\_\_ Completed degree level \_\_\_\_\_

School name and location \_\_\_\_\_

Beginning attendance date (MM/YYYY) \_\_\_\_\_ End attendance date (MM/YYYY) \_\_\_\_\_ Major(s) \_\_\_\_\_

Currently enrolled  Graduated Undergraduate hours \_\_\_\_\_ Graduate hours \_\_\_\_\_ Completed degree level \_\_\_\_\_

School name and location \_\_\_\_\_

Beginning attendance date (MM/YYYY) \_\_\_\_\_ End attendance date (MM/YYYY) \_\_\_\_\_ Major(s) \_\_\_\_\_

Currently enrolled  Graduated Undergraduate hours \_\_\_\_\_ Graduate hours \_\_\_\_\_ Completed degree level \_\_\_\_\_

Please return completed application to the department to which you are applying.  
Human Resources does not need a copy of this form.





# Human Resources

## Work history

Start with your **first** job and work forward to the **most recent**. You may list both paid and non-paid jobs, such as internships or volunteer work. Include any previous UT Austin work experience here.

Employer \_\_\_\_\_ Department \_\_\_\_\_

Street address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_

Title \_\_\_\_\_ Supervisor's name \_\_\_\_\_ Supervisor's phone \_\_\_\_\_

Mark if currently employed with this employer      Average number of hours you worked each week \_\_\_\_\_      Number of employees you supervised, if any \_\_\_\_\_

Job duties \_\_\_\_\_  
\_\_\_\_\_

Reason for leaving \_\_\_\_\_

Starting salary \_\_\_\_\_ End salary \_\_\_\_\_ Begin date \_\_\_\_\_ End date \_\_\_\_\_

Employer \_\_\_\_\_ Department \_\_\_\_\_

Street address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_

Title \_\_\_\_\_ Supervisor's name \_\_\_\_\_ Supervisor's phone \_\_\_\_\_

Mark if currently employed with this employer      Average number of hours you worked each week \_\_\_\_\_      Number of employees you supervised, if any \_\_\_\_\_

Job duties \_\_\_\_\_  
\_\_\_\_\_

Reason for leaving \_\_\_\_\_

Starting salary \_\_\_\_\_ End salary \_\_\_\_\_ Begin date \_\_\_\_\_ End date \_\_\_\_\_

I certify that all the information provided by me in connection with my application, whether on this document or not, is true and complete, and I understand that any misstatement, falsification, or omission of information shall be grounds for refusal to hire or, if hired, termination. I understand any current or former employment at The University of Texas at Austin must be disclosed on my application. I understand that any offer of employment is contingent upon my agreement to abide by the rules and regulations of The Board of Regents of The University of Texas System.

I hereby authorize The University of Texas at Austin or any law enforcement agency to furnish to The University of Texas at Austin my criminal conviction record for a deferred adjudication, misdemeanor or felony offense at age 17 or older. I do hereby release all agents, servants, and employees of UT Austin, the person in charge of such law enforcement agency or department and all members of such law enforcement agency or department from all liability resulting from the furnishing of this information to The University of Texas at Austin.

I authorize The University of Texas at Austin to communicate with persons listed as references, former employers, and any others with whom you desire to check. I agree to hold such persons harmless with respect to any information they may give about me.

\_\_\_\_\_  
Signature of employee

\_\_\_\_\_  
Date



# Human Resources

The University of Texas at Austin is required to reach out to, hire, and provide equal opportunity to veterans and individuals with disabilities. To help us measure how well we are doing, we are asking you to provide the following confidential information online at this web address: <https://utdirect.utexas.edu/jobs/confidential.WBX>

- Birthdate, Ethnicity and Race, Gender
- Voluntary Self Identification of Disability
- Federal Veteran Information Invitation to Self-Identify

This information is for reporting purposes only and is not part of the job application. You are not obligated to identify whether you are a person with a disability or whether you are a protected veteran, but we do hope you will choose to provide this information. Your answers will not be used against you in any way.

**APPLIED RESEARCH LABORATORIES  
ADDENDUM - SKILLS INVENTORY  
STUDENT POSITIONS**

Rev: 6/10/15

**Check all skills that you could use immediately in a job requiring such skills. These skills must have been acquired through coursework, training, or experience.**

<p><b>LANGUAGES:</b></p> <input type="checkbox"/> ADA <input type="checkbox"/> Bash <input type="checkbox"/> C <input type="checkbox"/> C++ <input type="checkbox"/> Fortran <input type="checkbox"/> Java <input type="checkbox"/> Objective-C <input type="checkbox"/> Pascal <input type="checkbox"/> Perl <input type="checkbox"/> Python <input type="checkbox"/> Ruby <input type="checkbox"/> Tcl/Tk <input type="checkbox"/> Verilog <input type="checkbox"/> VHDL <input type="checkbox"/> Other: <input style="width:150px;" type="text"/>	<p><b>SOFTWARE PACKAGES:</b></p> <input type="checkbox"/> LabView <input type="checkbox"/> Lab Windows <input type="checkbox"/> MathCAD <input type="checkbox"/> Matlab <input type="checkbox"/> Mathematica <input type="checkbox"/> OrCAD <input type="checkbox"/> PADS <input type="checkbox"/> Pro/Engineer <input type="checkbox"/> SolidWorks	<p><b>ENGINEERING:</b></p> <input type="checkbox"/> Drafting <input type="checkbox"/> Dynamics <input type="checkbox"/> Electronics packaging <input type="checkbox"/> Finite element modeling <input type="checkbox"/> Fluid mechanics <input type="checkbox"/> Heat transfer <input type="checkbox"/> Machine Shop <input type="checkbox"/> Materials science <input type="checkbox"/> Mechanics <input type="checkbox"/> Operations <input type="checkbox"/> Other: <input style="width:150px;" type="text"/>																		
<p><b>LIBRARIES:</b></p> <input type="checkbox"/> X11/Motif <input type="checkbox"/> Java/Swing <input type="checkbox"/> MFC <input type="checkbox"/> MPI <input type="checkbox"/> PVM <input type="checkbox"/> IDL <input type="checkbox"/> OpenGL <input type="checkbox"/> Java3D <input type="checkbox"/> SQL <input type="checkbox"/> ODBC <input type="checkbox"/> JDBC <input type="checkbox"/> CORBA <input type="checkbox"/> Java RMI <input type="checkbox"/> RPC <input type="checkbox"/> Obj Orien DBs: <input style="width:150px;" type="text"/> <input type="checkbox"/> iOS <input type="checkbox"/> Android <input type="checkbox"/> Other: <input style="width:150px;" type="text"/>	<p><b>OPERATING SYSTEMS:</b></p> <table style="width:100%; border: none;"> <tr> <td></td> <td align="center">Familiar with:</td> <td align="center">Developer on:</td> </tr> <tr> <td>MAC</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>UNIX</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>LINUX</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>Windows</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> <tr> <td>Other:</td> <td align="center"><input type="checkbox"/></td> <td align="center"><input type="checkbox"/></td> </tr> </table> <input style="width:150px;" type="text"/>		Familiar with:	Developer on:	MAC	<input type="checkbox"/>	<input type="checkbox"/>	UNIX	<input type="checkbox"/>	<input type="checkbox"/>	LINUX	<input type="checkbox"/>	<input type="checkbox"/>	Windows	<input type="checkbox"/>	<input type="checkbox"/>	Other:	<input type="checkbox"/>	<input type="checkbox"/>	<p><b>OFFICE AUTOMATION:</b></p> <input type="checkbox"/> Access <input type="checkbox"/> Drawing Prog: <input style="width:150px;" type="text"/> <input type="checkbox"/> Filemaker Pro <input type="checkbox"/> Framemaker <input type="checkbox"/> MS Access <input type="checkbox"/> MS Excel <input type="checkbox"/> MS Outlook <input type="checkbox"/> MS Powerpoint <input type="checkbox"/> MS Publisher <input type="checkbox"/> MS Visio <input type="checkbox"/> MS Word <input type="checkbox"/> Open Office <input type="checkbox"/> Other: <input style="width:150px;" type="text"/>
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<p><b>WEB:</b></p> <input type="checkbox"/> CSS <input type="checkbox"/> HTML <input type="checkbox"/> XML <input type="checkbox"/> Javascript <input type="checkbox"/> iQuery <input type="checkbox"/> JSP <input type="checkbox"/> PHP <input type="checkbox"/> Other: <input style="width:150px;" type="text"/>	<p><b>ELECTRONICS:</b></p> <input type="checkbox"/> Analog <input type="checkbox"/> Cable Construction <input type="checkbox"/> Computer Assembly <input type="checkbox"/> CPLD/FPGA <input type="checkbox"/> Digital <input type="checkbox"/> Microcontrollers <input type="checkbox"/> Op Amp Circuits <input type="checkbox"/> PCB Layout <input type="checkbox"/> Power Supply Design <input type="checkbox"/> Radio <input type="checkbox"/> Test Equipment <input type="checkbox"/> Manual Soldering	<p><b>WRITING/EDITING:</b></p> <input type="checkbox"/> Publication Record (attach) <input type="checkbox"/> Tech/Engr or Scientific <input type="checkbox"/> Presentations <input type="checkbox"/> Software Documentation <input type="checkbox"/> System Documentation <input type="checkbox"/> Other: <input style="width:150px;" type="text"/>																		

I certify that the above information is correct. I understand that any false statements made herein will void my Application and any actions based on it.

*By typing in the signature below, this represents the applicants official signature on this form.*

SIGNATURE OF APPLICANT :  DATE: