

## Community College Internships (CCI)

Summer 2022 - Application for: Leah Grace Evans

### APPLICANT PROFILE

#### General Applicant Information

First Name: Leah

Middle Name: Grace

Last Name: Evans

Previous Last Name(s):

Primary Email Address: leah28evans@gmail.com

Alternate Email Address 1: lgevans@pstcc.edu

Alternate Email Address 2:

ORCID: [0000-0003-2860-8854](https://orcid.org/0000-0003-2860-8854)

#### Current Address

Primary Phone Number: 865-978-4288

Alternate Phone Number:

#### Citizenship/Languages/Eligibility Information

I will be 18 years of age or older by the time the internship begins: Yes

Are you a U.S. Citizen? Yes

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### EDUCATIONAL BACKGROUND

#### Academic Information

Are you currently attending a community college?

Yes

Current academic status: First-Year Community College Student

If you are selected as a participant in this DOE program, will you receive academic credit from your university/college for participating?

No

#### Undergraduate Institution Information

College/University Country: United States and U.S. Territories

College/University State/Province/Territory: Tennessee

College/University Name: Pellissippi State Community College

College/University Address: 10915 Hardin Valley Rd

College/University City: Knoxville

College/University Zip Code: 37933-0990

Expected/Declared Major: Computer Sciences and Information Technology

Expected Degree From This College/University: None (transfer credit earned)

Expected/Completed Graduation Date: N/A

Transcript: Academic Transcript.pdf

Does this institution provide grades? Yes

GPA Scale: 4.0

Total Attempted Credits: 16.00

Total Earned Credits: 16.00

Total Quality Points: 64.00

GPA: 4.00

#### Science, Technology, Engineering and Mathematics (STEM) Courses

Course Title: Computer Science II

Course Number: 1020

Enrollment Status: Currently Enrolled

Course Title: General Chemistry I

Course Number: 1110

Enrollment Status: Currently Enrolled

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### High School Graduation or GED

Date of High School Graduation or GED:	June / 2021
Country:	United States
City:	Knoxville
State/Province/Territory:	TN

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### WORK EXPERIENCE & SKILLS

#### Work Experience

<b>Name of Place of Employment or Activity:</b>	Buddy's BBQ
<b>Dates of Employment or Activity:</b>	From 5/21/2020 To 8/2/2021
<b>Hours Per Week:</b>	15.0
<b>Primary Duties:</b>	To serve customers food in a quick and friendly manner, to keep the workplace clean and sanitized, to promote deals and new menu items, and to make sure customers are satisfied.
<b>Tasks Performed:</b>	Make correct money transactions at the register, clean floors and tables, clean dishes, stock supplies, and cook and assemble food and drinks.

#### Professional Associations

<b>Are you a member of any professional organizations?</b>	No
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#### Computer Skills

<b>Computer related skills:</b>	<ul style="list-style-type: none"> <li>• basic C++ language and Linux operator knowledge</li> <li>• CAD experience (Onshape)</li> </ul>
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#### Laboratory/Technical Skills

<b>Experience with advanced laboratory techniques or equipment:</b>	I am PMI (Precise Measurement Instruments) certified. I also have lots of lab experience throughout high school and college so far, including classes of biology, chemistry, anatomy, and physics for engineers. Having completed these lab courses, I know basic lab safety and how to use many different equipment often used within these courses. I have also lots of experience with computer software that measures velocity, acceleration, distance, etc with the use of lasers/sensors.
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### PROGRAM INFORMATION

#### Eligibility

Have you previously participated in 2 CCI appointments? No

#### Previous DOE Internship/Fellowship or Lab Activity Experience

Have you ever had an internship/fellowship with the Department of Energy or any of its National Laboratories (such as SULI, CCI, VFP) or attended an activity at one of the National Laboratories (such as a Mini-Semester or Sustainable Research Pathways)? No

#### Availability

What is the earliest date you can begin your internship? 5/1/2022

When do you need to complete your internship? 9/30/2022

#### First Choice Host DOE Laboratory

DOE Laboratory: Oak Ridge National Laboratory (ORNL)

First Choice Technical Project Area: Engineering Technology - Computer

Second Choice Technical Project Area: Computer Technology

Third Choice Technical Project Area: Cyber Security

#### Second Choice Host DOE Laboratory

DOE Laboratory: Thomas Jefferson National Accelerator Facility (TJNAF)

First Choice Technical Project Area: Computer Technology

Second Choice Technical Project Area: Cyber Security

Third Choice Technical Project Area: Engineering Technology - Electrical

#### Relatives Employed at DOE Laboratories

Are you a relative of an employee at the proposed host DOE laboratories? Yes

Name: David Blanchard

Relationship: Step-father

DOE Laboratory: Oak Ridge National Laboratory (ORNL)

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### ESSAYS

<b>Technical/Research Experience:</b>	<p>Most of my technical experience comes from my engineering and computer science courses in college.</p> <p>The main project I did with a team in engineering was a Rube Goldberg machine, with a goal of launching a washer ten feet. Throughout the semester, my team worked diligently to follow all the guidelines and plan our machine. Each member contributed equally in planning, providing materials, and working on a report afterwards. Furthermore, I have written several engineering reports that included a detailed analysis on technical subjects, research, lab details/results, and discussions. In these labs, I have consistently worked well with my team to efficiently accomplish the tasks appointed to us.</p> <p>In my past computer science course, I worked alongside my classmates frequently in order to achieve programming problems and errors more efficiently. I have accomplished several complex programming labs in that course including a program that calculates wattage generated by a windmill when given windspeed and maximum wattage.</p> <p>All in all, I enough experience to know how to work well in a research/lab environment alongside other team members.</p>
<b>Technical/Research Interests:</b>	<p>At my choice laboratory, I am interested in the subject of computer science. That is my major right now, and the career path I intend to follow, and I would therefore love to work more with any sort of programming/software development. Additionally, I am interested in cybersecurity, although I don't have much experience in that subject.</p> <p>On the matter of my choice of labs, I chose primarily Oak Ridge National Laboratory for its proximity to where I live. Also, my step-father, David Blanchard, works there currently, making ORNL special to me in that way. The Thomas Jefferson National Accelerator Facility is my second choice only because it's the next closest to me. However, it is still far away and would thus make it more difficult to work there. Overall, working at ORNL in computer technology would be the best-case scenario for me.</p>
<b>Personal Experience:</b>	<p>Professionally, I am very hard working and a quick learner. I always do my best to follow instructions exactly and and with no complaints. At my last job, I continued to accomplish all of my tasks efficiently despite being stressed or working in a chaotic environment. When I make mistakes, I quickly learn from them and carry on with the job.</p> <p>Academically, I have always been an all-A's student with a high school GPA of 4.6 and a current college GPA of 4.0. I excel at any math and science course I take, understanding it easily and quickly, and I enjoy learning all that I can. In high school, I took an AP test for both Calculus and Statistics and got a 5 (5 being the highest) on both. All in all, I love math and sciences and am highly proficient in them.</p> <p>I have other skills that I have acquired throughout life. For example, I am very resilient in response to challenges. I have had several unfortunate circumstances in my life; however, I always move on and am stronger because of it. On a different note, I am incredibly detail-oriented and organized, which I figure can be helpful as an intern in this program.</p> <p>To conclude, I have several skills and experience that would make me a great intern and member to the CCI program. I am a valued worker who's great at all math and science and has many other life skills that this company would find beneficial.</p>
<b>Professional Goals:</b>	<p>My academic goal is to transfer to the University of Tennessee after my time at Pellissippi in order to complete my degree in computer science. With that degree, there are many paths I could take. The first is to work in entertainment like games and apps to create their software and design different features. Another path could be to work with other companies that need computer scientists, such as electric car companies or laboratories. The last path I would consider is one of cybersecurity.</p> <p>The CCI program would help me to develop the skills needed for my goals by allowing me to get further experience in working with computers for a company. Additionally, the program could teach me more about computer technology and cybersecurity in order to better prepare me for my degree, and thus, my future career.</p> <p>I am incredibly eager to work as an intern at ORNL to further my knowledge and create more opportunities in my future.</p>

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### RECOMMENDATIONS

**Recommendation 1:** **First Name:** Angela  
**Last Name:** Buckman  
**Email:** angela.buckman@knoxschools.org  
**Status:** Received 1/9/2022


**Recommendation 2:** **First Name:** Shannon  
**Last Name:** Harrell  
**Email:** tsj1999@gmail.com  
**Status:** Received 1/11/2022

# Pellissippi State

## Academic Transcript

P20217227 Leah Evans

Jan 09, 2022 02:04 pm

 This is not an official transcript. Courses which are in progress may also be included on this transcript.

### Transcript Data

#### STUDENT INFORMATION

**Name :** Leah G. Evans

#### Curriculum Information

#### Current Program

Associate of Science

#### Major and Department:

General Assoc of  
Science, Student  
Assistance  
Center

\*\*\*Transcript type:WEB is NOT Official \*\*\*

#### TRANSFER CREDIT ACCEPTED BY INSTITUTION [-Top-](#)

20215  
0:

CEEB-Advanced Placement (AP)



Subject	Course	Title		Grade	Credit Hours	Quality Points		R
MATH	1530	Introductory Statistics		TP	3.000	0.00		
MATH	1910	Calculus I		TP	4.000	0.00		
		Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA	
Current Term:		7.000	7.000	7.000	0.000	0.00	0.00	
Current Term Combined:		7.000	7.000	7.000	0.000	0.00	0.00	

# Unofficial Transcript

INSTITUTION CREDIT										<a href="#">-Top-</a>
Term: Fall 2020										
Academic Standing:			Good Standing							
Subject	Course	Level	Title				Grade	Credit Hours	Quality Points	R
ENGL	1010	UG	English Composition I				A	3.000	12.00	
Term Totals (Undergraduate)										
			Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA		



	Attem pt Hours	Pass ed Hour s	Earn ed Hour s	GPA Hou rs	Quali ty Point s	GPA
<b>Current Term:</b>	13.000	13.00 0	13.00 0	13.0 00	52.00	4.00
<b>Cumulative:</b>	16.000	16.00 0	16.00 0	16.0 00	64.00	4.00

Unofficial Transcript

	Attem pt Hours	Pass ed Hour s	Earn ed Hour s	GPA Hou rs	Quali ty Point s	GPA
<b>Current Term Combined:</b>	13.000	13.00 0	13.00 0	13.0 00	52.00	4.00
<b>Cumulative Combined:</b>	16.000	16.00 0	16.00 0	16.0 00	64.00	4.00

Unofficial Transcript

TRANSCRIPT TOTALS (UNDERGRADUATE) <u>-Top-</u>						
	Attem pt Hours	Pass ed Hour s	Earn ed Hour s	GPA Hou rs	Quali ty Point s	GPA
<b>Total Institution:</b>	16.000	16.00 0	16.00 0	16.0 00	64.00	4.00
<b>Total Transfer:</b>	7.000	7.000	7.000	0.00 0	0.00	0.00
<b>Overall:</b>	23.000	23.00 0	23.00 0	16.0 00	64.00	4.00
	Attem pt Hours	Pass ed	Earn ed	GPA Hou rs	Quali ty	GPA

		Hour s	Hour s		Point s	
<b>Institution Combined:</b>	16.000	16.00 0	16.00 0	16.0 00	64.00	4.00
<b>Transfer Combined:</b>	7.000	7.000	7.000	0.00 0	0.00	0.00
<b>Overall Combined:</b>	23.000	23.00 0	23.00 0	16.0 00	64.00	4.00

Unofficial Transcript

COURSES IN PROGRESS <a href="#">-Top-</a>				
Term: Spring 2022				
Subject	Cour se	Lev el	Title	Credit Hours
CHEM	1110	UG	General Chemistry I w/Lab	4.000
CISP	1020	UG	Computer Science II	4.000
ENGL	1020	UG	English Composition II	3.000
PSYC	1030	UG	Introduction to Psychology	3.000

Unofficial Transcript

Release: 8.7.1

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# CCI PROGRAM APPLICATION RECOMMENDATION FOR LEAH GRACE EVANS

## Recommender Contact Information

- **First Name:** Angela
- **Last Name:** Buckman
- **Title:** Math Dept. Chair
- **Department:** Mathematics
- **Institution/Organization:** Farragut High School
- **Telephone:** 865-966-9775
- **Email:** angela.buckman@knoxschools.org

## Applicant Information

### Association

Describe your relationship to the applicant, including how long you've known the applicant, where, and in what capacity.

I have known Leah for four years as her Honors PreCalculus, AP Statistics (5/5 on the AP Exam) and AP Calculus (5/5 on the AP Exam) teacher at Farragut High School.

### Applicant Comments

Please provide substantive comments about the applicant's education, training, aptitude, or promise relevant to the CCI program. Include any relevant additional detail or perspective regarding the applicant's technical or research experience or equivalent experience on complex projects, including the level of independence or other factors that would contribute to the applicant's ability to make an excellent contribution to the CCI program.

Academically Leah is one of those students who likes to be sure that she has fully conquered a concept. She is willing to come early, stay late or do whatever it takes to fully conceptually comprehend the material. However, she does not like for anyone to just give her the answer; she likes to figure out as much as she can on her own. Often she would ask a clarifying question and sit with a furrowed brow and intense focused expression contemplating the information, and then, once she had fully comprehended the problem, her face would literally light up. She truly enjoys not only solving problems, but also the contemplation and collaboration process. When asked to present a problem to the class, her work showed insight and her problems are incredibly well documented, often showing more than one way to address a problem. Furthermore, this ability to synthesize mathematical knowledge, has also led her to excel in her physical and chemical science classes.

Leah is such an incredible mathematics student, and other students have readily recognized her mastery of the material. Her intellectual understandings, combined with her ability to work well with others in both individual and group settings, have earned her the title of "study buddy extraordinaire". There is seldom a weekday evening that you don't find her surrounded by a group of friends (or new acquaintances) helping with homework, studying for a test or planning a school event. Her innate ability to put others at ease and her servant's heart make her a natural leader. I can't help but think that Leah would be a great encourager to other students who are having a difficult time being away from home or for assimilating other students into life on a campus.

Leah always has a smile on her face. Even when she is contemplating a fairly difficult problem she is there smiling and encouraging her classmates; I can't help but smile when I see her. Leah is outgoing, a favorite among peers and faculty and has an incredible desire to succeed. She would be outstanding at coordinating group projects or creating a synergistic work environment. She is the type of student that doesn't wait for things to happen...she makes them happen.

Leah has a rare combination of personality and intelligence, but is "down to earth". She has remarkable natural talent yet remains humble. She also puts high expectations on herself yet never refrains from helping others. I believe that a rigorous academic environment will further strengthen her resolve to tackle problems that others see as insurmountable and that her engaging personality will be the catalyst that creates the synergistic environment needed to tackle the problems of years to come. I give her my highest recommendation.

Applicant Rating

In comparison to other undergraduate students, please rate the applicant relative to his/her peers on the following qualifications:

	Do Not Know	Below Average	Average	Above Average	Superior
Analytical and Mathematical					X
Experimental Research					X
Overall Academic					X
Initiative and Self Reliance					X
Motivation toward Scientific Career					X
Originality of Thought					X
Emotional Maturity					X
Ability to Work with Others					X
Potential for Leadership					X
Oral Communication Skills					X
Written Communication Skills					X

# CCI PROGRAM APPLICATION RECOMMENDATION FOR LEAH GRACE EVANS

## Recommender Contact Information

- **First Name:** Tommy
- **Last Name:** Harrell
- **Title:** LtCol.
- **Department:** Flight Ops - Pilot
- **Institution/Organization:** USAF (ret) / United Airlines
- **Telephone:** 865-310-9446
- **Email:** tsjk1999@gmail.com

## Applicant Information

### Association

Describe your relationship to the applicant, including how long you've known the applicant, where, and in what capacity.

Our family has known Leah Evans for the past 10 years. She was and still is a close friend to our daughter Kayla. Our relationship with Leah has grown to the point that we rely on her for many household responsibilities. Leah is referred to in our house as our "semi-daughter". We love her and are blessed to have her as a close friend.

### Applicant Comments

Please provide substantive comments about the applicant's education, training, aptitude, or promise relevant to the CCI program. Include any relevant additional detail or perspective regarding the applicant's technical or research experience or equivalent experience on complex projects, including the level of independence or other factors that would contribute to the applicant's ability to make an excellent contribution to the CCI program.

Leah is the only young person that we trust to manage our household responsibilities while we are taken away on vacations or business. She is always punctual and thorough. Her performance in school work is exceptional. We also have witnessed her drive and grit when challenged with a difficult project or task. Leah is a finisher. She will see every task through to the end. Leah is savvy enough to know when to ask for help. She also listens intently to mentorship and direction. Her level of competence is unmatched by her peer group. Under the "Applicant Rating" section you will see Superior checked multiple times. I tend to never max out ratings. My goal is to honestly review when asked. Believe me when you see such high ratings they are real and not a cop out. Leah is "superior"!

## Applicant Rating

In comparison to other undergraduate students, please rate the applicant relative to his/her peers on the following qualifications:

	Do Not Know	Below Average	Average	Above Average	Superior
Analytical and Mathematical					X
Experimental Research					X
Overall Academic					X
Initiative and Self Reliance					X
Motivation toward Scientific Career					X
Originality of Thought					X
Emotional Maturity					X
Ability to Work with Others					X
Potential for Leadership					X
Oral Communication Skills					X
Written Communication Skills	X				