Copy
Biographical Information

Biographical	
First Name	Thomas
Middle Name	Scott
Last Name	Lever
Suffix	III
Preferred Name	Tom
Sex	Male
Birthdate	07/28/1989

Contact	
Email	thomas.lever.business@gmail.com
Mobile	+1 267-644-7474
Mailing Address	408 Mobile Ln Charlottesvle, VA 22903-4115 United States
Permanent Address	408 Mobile Ln Charlottesvle, VA 22903-4115 United States

Citizenship	
Citizenship Status	United States Citizen
Primary Citizenship	United States

Ethnicity	
Hispanic	No
Race	White

Residency Information	
Country of legal residence	United States
State of legal residence	VA
County of legal residence	Charlottesville

Language Proficiency	
First Language	English

If you would like the opportunity, we invite you to voluntarily share whether you openly identify as a gender or sexual minority (e.g., Lesbian, Gay, Bisexual, Transgender, Queer, Questioning, Intersex, Asexual, Nonbinary, etc.) Please note that this question is optional, and any answer or non-answer will not be used for discriminatory purposes.

No

Would you like to opt-in to receive information about LGBTQ programs and services offered to students at the University of Virginia?

No

Are you a first generation college student?   No

What is the highest educational attainment of any of your parents/guardians?

Master's degree (MA, MS, MSW, etc.)

Copy
Data Science - Online

Form Title	Data Science - Online
Program	
Program	Data Science - Online
Degree	MS
Term	Spring 2022
Full-time/Part-time	Part-Time
Faculty Interest	
List UVA faculty members (if any) with whom you are interested in working.	William Basener
	Peter Alonzi

Copy
Military Status

Form Title	Military Status
US Armed Forces Status	Veteran
US Military Branch	Navy
Are you a veteran of the United States Armed Forces who was previously enrolled at the University of Virginia?	No

Copy
Academic History

Undergraduate #1

Institution	Piedmont Virginia Community College (5561)
Dates of Attendance	01/2021 - 08/2021
Location	Charlottesville, VA, United States
Primary Language is English	Yes
Degree	No Degree Awarded or Expected
Major	Computer Science
GPA	4 / 4

Undergraduate #2

Institution	College of William and Mary (5115)
Dates of Attendance	08/2008 - 05/2013
Location	Williamsburg, VA, United States
Primary Language is English	Yes
Degree	Bachelor of Science: 05/2013
Major	Physics
GPA	2.9 / 4

Copy
Test Scores

GRE

GRE   Self-Reported Score
Date: 11/24/2020
Verbal: 162 (90%)
Quantitative: 163 (80%)
Analytical Writing: 5.0 (92%)

Copy
University Standards

Form Title	University Standards

Honor Code

Yes

University Standards

Have you ever been the subject of an academic or non-academic disciplinary action, been suspended or expelled from school for any disciplinary or honor code infraction? No

Copy
Data Science Supplemental Information

Form Title	Data Science Supplemental Information
Resume / Curriculum Vitae	
	Uploaded 09/15/2021
Work Experience	
Do you have any relevant work experience?	Yes
Please indicate below the number of years of work experience you have that involved the use of quantitative skills, such as the application of mathematical or statistical methods.	more than 5 years
Type of relevant work experience (please select all that apply).	Researcher
	Analyst
	Project Manager
	Teacher
	Database Administrator
	Other
If "Other" is selected, please describe your current or past work experience.	Between June 2021 and August 2021, I served as a Data-Science Intern with Elder Research.
Notable Projects	
Project 1	Work-Experience
Please indicate the project length in the text box below.	3 months
Project description (150 word limit):	I architected and co-developed a web application for Elder Research and the National Reconnaissance Office for detecting anomalous computer usage. I employed a server and architected a database; used Python, SQL, and R; and leveraged graphical, statistical, clustering, neural-network, and isolation-forest models.

I loved working next to a fellow software developer; exchanging understandings, ideas, and reviews; experimenting together with software repositories; and performing a presentation on our full-stack, multifaceted application. I loved working in a comfortable office of brilliant, kind data scientists with whom I could connect through shared interests and dispositions. I enjoyed experiencing tech talks and research into Data-Science trends and applications in modeling complex systems. Data-Science is the right field for me; I see myself applying my learning and Master's degree to excelling in a team of data scientists and software engineers; understanding clients' needs, data, and modeling tools; and providing pioneering, practical intelligence. |
| **Project 2** | Work-Experience |

Copy
Data Science Supplemental Information

Please indicate the project length in the text box below.	10 months
Project description (150 word limit):	For Blue Ridge Software Solutions, I co-develop an Application Programming Interface for developing web applications, and develop a music-literacy application and a domestic appliance employing computer vision. I thrive in a friendly, collaborative, formal, exacting, detail-oriented environment of iterative design, implementation, and review. I have enjoyed day-long design sessions and marathons of coding. I have learned to think in terms of rigorous and consistent requirements, designs, specifications, and conceptual items independent of implementation. I have habituated to focusing at one level of abstraction and on one task at a time. I have practiced speaking consistently, precisely, clearly, and simply. I have managed software engineering processes and produced professional design, development, and review documentation. I have committed to engineering useful, marketable solutions and have contributed to an engineering paradigm that my supervisor has presented to a company for which he works as a senior software engineer.
Describe any coding experience you have, formal or informal.	I work as a Junior Software Developer. I have significant experience with Python, R, SQL, Java, C#, C++, TypeScript, and other languages, and with software engineering and object-oriented development. I have taken one academic course in Python and three courses in Java.
If applicable, please list your GitHub profile below. (OPTIONAL)	https://github.com/tslever
If applicable, please list your LinkedIn address below. (OPTIONAL)	https://www.linkedin.com/in/tom-lever-12820541/

Statement of Purpose

	Uploaded 09/21/2021
What does Data Science mean to you? (Please limit your answer to 3 sentences.)	I am drawn to studying Data Science because I want to use my acquired knowledge to collaborate as part of a community of intelligent, caring, world-oriented individuals and to improve the accuracy and efficiency of computer vision; the reliability of computer vision in scientific and health applications; and public understanding of neural-network architecture and implementation. I have a talent for understanding the vision, goals, and requirements of clients and data scientists and ensuring clear, consistent, and direct solutions; developing and applying rigorous, sophisticated, understandable models to represent or identify patterns in data and serve as robust engines to client applications; and producing high-quality, impressive reports, papers, software, and documentation. I am excited about mastering efficiently exploring, selecting, organizing, and manipulating data and evaluating the validity and efficacy of models.
First	Engineering
Second	Natural Science
Third	Social Science

Copy
Data Science Supplemental Information

First	Machine Learning and Analytics
Second	Data Integration and Engineering
Please list your top three reasons for applying to the MS in Data Science at the University of Virginia. (Please limit your answer to 3 sentences.)	I am motivated to advance my career by earning a Master's degree in Data Science as my academic and research experience would provide me the credentials and experience necessary to serve a company and team by exploring, organizing, and utilizing large datasets using multidimensional mathematical techniques; understanding the workings of and appropriateness to various use cases of cutting-edge models; and leading research into new applications and methods. Studying Data Science at the University of Virginia would allow me to collaborate with fellow students, faculty, and Data-Science professionals in my five-year home of Charlottesville, and to be a contributing part of Central Virginia's Data-Science community. Supporting the research of Dr. Bill Basener would allow me to become an expert in working with machine learning, signal processing, and image processing.

Application History

Have you previously applied for graduate admission to the School of Data Science?	No
Have you previously applied or are you applying to other University of Virginia programs?	No

Additional Information

Are you a current UVA undergraduate student, or have you graduated from UVA within the last four (4) years?	No
Do you wish to be considered for the SDS sponsored need-based fellowship?	Yes
Have you completed your FAFSA form?	Yes
How did you find out about the UVA School of Data Science? Select all that apply.	Web Search

Copy
Data Science Prerequisites

Form Title	Data Science Prerequisites
Prerequisites	
Single Variable Calculus	Yes
Did you complete this course online?	No
Please indicate the title of the course.	Calculus II AP
Please indicate the name of the school/service that offered the course.	North Penn High School
Grade Earned (please enter CERT if you received a certificate of completion).	A
What term did you take this course?	pre-2013
Please indicate term taken:	2006 - 2007
	Uploaded 08/12/2021
Linear Algebra or Matrix Algebra	Yes
Did you complete this course online?	No
Please indicate the title of the course.	Linear Algebra
Please indicate the name of the school/service that offered the course.	Piedmont Virginia Community College
Grade Earned (please enter CERT if you received a certificate of completion).	A
What term did you take this course?	Spring 2021
	Uploaded 08/12/2021
Introductory Statistics	Yes
Did you complete this course online?	No
Please indicate the title of the course.	Statistics I
Please indicate the name of the school/service that offered the course.	Piedmont Virginia Community College
Grade Earned (please enter CERT if you received a certificate of completion).	A
What term did you take this course?	Spring 2021
	Uploaded 08/12/2021

Copy
Data Science Prerequisites (continued)

Introductory Programming	Yes
Did you complete this course online?	No
Please indicate the title of the course.	Computer Science II
Please indicate the name of the school/service that offered the course.	Piedmont Virginia Community College
Grade Earned (please enter CERT if you received a certificate of completion).	A
What term did you take this course?	Summer 2021
	Uploaded 08/12/2021

Copy
Virginia In-State Educational Privileges

Form Title	Virginia In-State Educational Privileges
	Yes

Applicant Information

Are you financially independent (not claimed as a dependent on another person's tax return)?	Yes

Additional Information

Years	5
Months	0
Have you been an undergraduate and/or graduate student while living in Virginia?	Yes
From	08/31/2008
To	05/01/2013

Current Address

From	08/01/2016
Street Address	408 Mobile Lane
City	Charlottesville
State	VA
Postal Code	22903-4115

Previous Address

From	08/31/2015
To	07/01/2016
Street Address	20241 Railroad Street
City	Cornelius
State	NC
Postal Code	28031

Current Employer

From	12/31/2020
Employer	Blue Ridge Software Solutions
City	Charlottesville
State	VA
Hours per week	40

Previous Employer

From	06/30/2019
To	03/31/2021
Employer	Simpson Weather Associates
City	Charlottesville
State	VA
Hours per week	40

Copy
Virginia In-State Educational Privileges

Virginia Residency	
Will you have filed a tax return or paid income taxes to any state other than Virginia during the past year?	No
Filed a resident tax return or paid resident taxes to Virginia on all earned income?	Yes
If yes, provide tax years of filing	2016, 2017, 2018, 2019, 2020
Been a registered voter in Virginia?	Yes
If yes, please provide the registration date	09/21/2017
Held a valid Virginia driver's license?	Yes
If yes, as of what date?	06/14/2021
Do you own or operate a motor vehicle?	Yes
If yes, has it been registered in Virginia?	No
If no, in which state has it been registered?	PA
Do you or your parent commute from a residence outside Virginia to a work full-time in Virginia and pay Virginia income tax on all taxable income earned in Virginia?	No

Military	
Are you, your parent, or spouse in the military?	No

Signatures	
Applicant Signature (In place of your signature, please type your full legal name)	Thomas Scott Lever III
Date	08/12/2021

Copy
Reference

Reference #1	
Name	Mr. Chris Dilbeck
Organization	Piedmont Virginia Community College
Title	Instructor
Relationship	Instructor for Computer Science I
Phone	+1 434-882-2926
Email	cdilbeck6724@email.vccs.edu
Name Displayed to Recommender	Tom Lever
Waiver	Under the Family Educational Rights and Privacy Act of 1974, applicants who are admitted and attend the University have the right to see their education records, including letters of recommendation, unless they waive their right to see those letters. Applicants who are not admitted, or are admitted but do not attend the University, do not have rights to see their letters of recommendation.
Waiver Response	I waive my right to access this report.
Waiver Signature	Thomas Scott Lever III
Recommendation Requested	08/14/2021
Recommendation Submitted	08/15/2021
Reference #2	
Name	Dr. Brianna Kurtz
Organization	Piedmont Virginia Community College
Title	Associate Professor of Mathematics
Relationship	Professor
Phone	+1 321-200-2083
Email	bakurtz@marybaldwin.edu
Name Displayed to Recommender	Tom Lever
Waiver	Under the Family Educational Rights and Privacy Act of 1974, applicants who are admitted and attend the University have the right to see their education records, including letters of recommendation, unless they waive their right to see those letters. Applicants who are not admitted, or are admitted but do not attend the University, do not have rights to see their letters of recommendation.
Waiver Response	I waive my right to access this report.
Waiver Signature	Thomas Scott Lever III
Recommendation Requested	08/19/2021
Recommendation Submitted	Not Submitted
Reference #3	
Name	Dr. Irina Liskey
Organization	Piedmont Virginia Community College
Title	Professor of Mathematics

Copy
Reference (continued)

Relationship	Professor of Statistics I
Phone	+1 434-961-5440
Email	itimchenko@pvcc.edu
Name Displayed to Recommender	Tom Lever
Waiver	Under the Family Educational Rights and Privacy Act of 1974, applicants who are admitted and attend the University have the right to see their education records, including letters of recommendation, unless they waive their right to see those letters. Applicants who are not admitted, or are admitted but do not attend the University, do not have rights to see their letters of recommendation.
Waiver Response	I waive my right to access this report.
Waiver Signature	Thomas Scott Lever III
Recommendation Requested	09/18/2021
Recommendation Submitted	09/20/2021

Reference #4

Name	Mr. Chip Staples
Organization	Blue Ridge Software Solutions
Title	Owner and Senior Software Engineer
Relationship	Mentor on Professional Software Engineering Projects
Phone	+1 434-989-3995
Email	chip@twirling-hall.com
Name Displayed to Recommender	Tom Lever
Waiver	Under the Family Educational Rights and Privacy Act of 1974, applicants who are admitted and attend the University have the right to see their education records, including letters of recommendation, unless they waive their right to see those letters. Applicants who are not admitted, or are admitted but do not attend the University, do not have rights to see their letters of recommendation.
Waiver Response	I waive my right to access this report.
Waiver Signature	Thomas Scott Lever III
Recommendation Requested	08/14/2021
Recommendation Submitted	Not Submitted

Copy

Mr. Thomas S. Lever
408 Mobile Lane
Charlottesville, VA 22903
(267) 644-7474
Thomas.Lever.Business@Gmail.com

William F. Basener
Professor of Data Science
UVA School of Data Science
(434) 297-5971
wb8by@virginia.edu

Sunday, August 22, 2021

Dear Dr. Basener and the Faculty of the School of Data Science of the University of Virginia,

      I am providing you a cover letter and Curriculum Vitae featuring my experience with Data Science, Machine Learning, and Software Engineering. I am applying to study as a graduate student of the School of Data Science and to support your research in remote sensing and computer vision.

      I presently serve as a Junior Software Developer with Blue Ridge Software Solutions. I am co-developing an API for developing web applications, and developing a music-literacy application and a domestic appliance employing computer vision. This summer, I also served as a Data-Science Intern with Elder Research. I architected and co-developed a web application for the National Reconnaissance Office for detecting anomalous computer usage.

      My experience as a Research Assistant in atmospheric signal processing and pattern recognition, as a Data-Science Intern in Machine Learning and web-application engineering, and as a Software Developer passionate about leveraging machine-learning technologies and developing web applications using databases would allow me to excel in studying Data-Science theories, algorithms, and techniques; to support fellow students; and to contribute to research (e.g., by applying Machine-Learning techniques to and designing and developing robust and scalable software for analyzing remote-sensing imagery).

      Thank you for your consideration.

Best regards,

Thomas S. Lever

Copy

THOMAS S. LEVER

408 Mobile Lane, Charlottesville, VA 22903 • (267) 644-7474 • Thomas.Lever.Business@Gmail.com

EDUCATION

Piedmont Virginia Community College (January 2021 – present)
- Received A's in Computer Science II, Computer Science I, Linear Algebra, and Statistics I.

Professional Development (May 2013 – present)
- Developed a server that listens for HTTP requests from a client and provides responses with database information. Developed a client that requests weather information from OpenWeatherMap.
- Developed using PyTorch a 29-layer, 3D-convolutional neural network for classifying 21-electrode electroencephalograms as corresponding to subjects resting or performing mental arithmetic.
- Developed "Little_YOLOv4" and a C# application for drawing bounding boxes around objects in images. Developed software to leverage functionality of the darknet deep-learning framework. Recorded YouTube tutorials for using and understanding darknet.
- Developed using CUDA C++ and cuDNN a 1-layer, 2D-convolutional neural network that trains on images and bounding boxes around objects in images.
- Developed CUDA C++ solutions to detect edges in images and apply convolution reverb to audio. Developed an application to convert MIDI files to assemblies of instrumental samples.
- Wrote an introductory paper and presentation on developing an image binary classifier.
- Developed Python solutions to classify images as containing oak leaves or not and to classify segments of time series as characteristic features or not, without using machine-learning packages.
- Modeled in Inventor 2016 a timber frame for a house with reciprocal rafters and in AutoCAD 2016 a detailed floor plan for a two-bedroom house for Our Towns Habitat for Humanity.

EdX and Coursera MOOC's (May 2013 – present)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization, and Optimization (A)
- Neural Networks and Deep Learning (A)
- Introduction to C# and OOP in C# (completed all available exercises)
- Python for Data Science (A)
- Introduction to Engineering Mechanics and Applications in Engineering Mechanics (A, A)
- Fundamentals of GIS and GIS Data Formats, Design, and Quality (A, A)
- Mechanical Behavior of Materials (A)
- Introduction to Aeronautical Engineering (Pass)
- Space Mission Design and Operations (Pass)
- Relativity and Astrophysics (Pass)
- Shakespeare on the Page and in Performance (Pass)
- Justice (Pass)
- Food for Thought (Pass)

College of William & Mary, Williamsburg, VA (August 2008 – May 2013)
- B.S. in Physics, junior/senior GPA 3.41, major GPA 3.34. Environmental Science minor.
- Tutored students in Physics and English as a Second Language.

Copy

WORK EXPERIENCE

Junior Software Developer, Blue Ridge Software Solutions (January 2021 – present)
- Develop an API for developing web applications.
- Develop a music-literacy application and a domestic appliance employing computer vision.

Data-Science Intern, Elder Research (June 2021 – August 2021)
- Architected and co-developed a web application for the National Reconnaissance Office for detecting anomalous computer usage. Employed a server and architected a database; used Python, SQL, and R; and leveraged graphical, statistical, clustering, neural-network, and isolation-forest models.

Research Assistant and Data Analyst, Simpson Weather Associates (June 2019 – March 2021)
- Developed data-collection, -analysis, and -presentation software for nephelometers and LiDaR units
- Developed project-management software for "Desktop Audits" of coal trains
- Developed software to generate reports for railroads and coal ports regarding coal-dust aerosolization
- Designed "No Moving Parts" dust monitor

Associate Project Manager, Fielder's Choice Enterprises (August 2016 – May 2019)
- Managed contracting with project owners (e.g., VDOT, Charlottesville) and with subcontractors
- Supported senior project managers and site superintendents by communicating and completing paperwork on their behalf and providing them information and organization
- Coordinated subcontractor work and material deliveries
- Developed building plans, schedules, and Storm-Water Pollution Prevention Plans
- Tracked portions of activities completed and hours worked
- Maintained FCE's project and estimating databases

EXPRESSIVE ARTS

Certifying Focusing Professional, International Focusing Institute (10/2020 – present)

Listener, HearMe.App (02/2019 – present)

Actor, Musician, Set Builder, Stage Manager, Props Manager, Cville Theaters (01/2018 – present)

Conscious Dancer, Volunteer, Cville Dance Coop (08/2016 – present)

REFERENCES

Chip Staples, Owner and Senior Software Engineer, Blue Ridge Software Solutions, Charlottesville, VA. Chip@Twirling-Hall.com. (434) 989-3995.

Lara Dedic, Data Scientist, Elder Research, Charlottesville, VA. Lara.Dedic@ElderResearch.com.

Craig Boddorff, Retired IT Manager, friend, and mentor; Independence Blue Cross; Philadelphia, PA. Craig.Boddorff@Gmail.com. (609) 238-9375.

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Official Academic Transcript from
College of William and Mary

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Sending School Information

College of William and Mary
Kimberly Momballou
Office of the University Registrar
P.O.Box 8795
Williamsburg, VA 23187
Telephone: 757-221-2806
School Web Page: http://www.wm.edu
Registrar Office Web Page: http://www.wm.edu/offices/registrar/?svr=web
Course Catalog Web Page: http://www.wm.edu/offices/registrar/coursecatalschedules/index.php
Accreditation: Southern Association of Colleges and Schools, Commission on Colleges (SACSCOC)

Student Information

Student Name: Thomas Scott Lever, III
Numeric Identifier: 930624223
Birth Date: Not Provided By the Sending School
Student Email: tomlever3@gmail.com

Receiver Information

Thomas Lever
tomlever3@gmail.com

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Page: 1
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Student No: 930624223

Record of: Thomas Scott Lever, III
Current Name: Thomas Scott Lever, III
633 Conestoga Ln
Lansdale, PA 19446-4601

Issued To: Thomas Lever
tomlever3@gmail.com

Course Level: Undergraduate

Current Program
Bachelor of Science
College : Faculty of Arts and Sciences
Major : Physics
Minor : Environmental Sci and Policy

Degrees Awarded Bachelor of Science 12-MAY-2013
Ehrs: 136.00 GPA-Hrs: 126.00 QPts: 371.00 GPA: 2.94
Primary Degree
College : Faculty of Arts and Sciences
Major : Physics
Minor : Environmental Sci and Policy

SUBJ	NO.	COURSE TITLE	CRED	GRD	PTS	R
TRANSFER CREDIT ACCEPTED BY THE INSTITUTION:						
Fall 2008		Advanced Placement Credit				
CHEM	103	General Chemistry I	3.00	T	0.00	
CHEM	151	Gen Chem Lab I	1.00	T	0.00	
ENGL	210	Topics in Literature	3.00	T	0.00	
HIST	121	American History	3.00	T	0.00	
HIST	122	American History	3.00	T	0.00	
MATH	111	Calculus I	4.00	T	0.00	
MATH	112	Calculus II	4.00	T	0.00	
WRIT	101	Writing	0.00	T	0.00	
		Ehrs: 21.00 GPA-Hrs: 0.00 QPts: 0.00 GPA: 0.00				
INSTITUTION CREDIT:						
Fall 2008						
CHEM	335	Freshman Honors Chemistry	3.00	A	12.00	
ENGL	220	Study of Language	4.00	B-	10.80	
MATH	213	Multivariable Cal/Sci & Math	4.00	A-	14.80	
PHYS	101P	General Physics	4.00	B+	13.20	
RELG	211	Intro History Jewish Thought	3.00	F	0.00	
		Ehrs: 15.00 GPA-Hrs: 18.00 QPts: 50.80 GPA: 2.82				

*********** CONTINUED ON NEXT COLUMN *******************

SUBJ	NO.	COURSE TITLE	CRED	GRD	PTS	R
Institution Information continued:						
Spring 2009						
CHEM	206	Organic Chemistry I	3.00	C+	6.90	
CHEM	252	Organic Chemistry Lab I	1.00	B	3.00	
MATH	214	Foundations of Math	3.00	C	6.00	
PHIL	201	Introduction to Philosophy	0.00	W	0.00	
PHYS	102P	General Physics-Prob	4.00	C+	9.20	
THEA	152W	FR SEM:Introduction to Theatre	4.00	F	0.00	
		Ehrs: 11.00 GPA-Hrs: 15.00 QPts: 25.10 GPA: 1.67				
Fall 2009						
ANTH	150W	FR SEM: Accessing the Past	4.00	A	16.00	
CSCI	141	Intro Computer Science	4.00	B+	13.20	
MATH	211	Linear Algebra	3.00	C+	6.90	
MUSC	K11	Organ 1 - 1/2 hr Lesson	1.00	A	4.00	
SOCL	308	Environmental Sociology	3.00	A-	11.10	
		Ehrs: 15.00 GPA-Hrs: 15.00 QPts: 51.20 GPA: 3.41				
Spring 2010						
CHEM	356	Inorg/Quantitative Lab Methods	0.00	W	0.00	
ENSP	249	Global Enviro Compliance	1.00	C-	5.10	
ENSP	250	Sem:Food Sustainability	1.00	B	3.00	
ENSP	302	Philosophic History Am Environ	3.00	F	0.00	
ENSP	440	Future Energy Choices	3.00	B+	9.90	
GEOL	110	Physical Geography	3.00	C+	6.90	
SOCL	250	Principles of Sociology	3.00	C+	6.90	
		Ehrs: 13.00 GPA-Hrs: 16.00 QPts: 31.80 GPA: 1.98				
Fall 2011						
ANTH	202	Intro Cultural Anthropology	3.00	B+	9.90	
ANTH	203	Intro Biological Anthropology	3.00	B+	9.90	
MUSC	J14	Jzz:Keybrd 1- 1/2 hr Lesson	1.00	F	0.00	
PHYS	201	Modern Physics	3.00	A	12.00	
PHYS	251	Experimental Atomic Physics	2.00	A-	7.40	
PHYS	256	Practical Comp for Scientists	3.00	B	9.00	

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Student No: 93062423

Record of: Thomas Scott Lever, III
Level: Undergraduate

Date Issued: 30-MAY-2014
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Page: 2

SUBJ	NO.	COURSE TITLE	CRED	GRD	PTS	R

Institution Information continued:
Ehrs: 14.00 GPA-Hrs: 15.00 QPts: 48.20 GPA: 3.21

Spring 2012
MUSC	213	History of Western Music	4.00	B+	13.20
PHIL	201	Introduction to Philosophy	3.00	A	12.00
PHYS	208	Classical Mech Particl/Waves I	4.00	B	12.00
PHYS	252	Electronics I	2.00	B+	6.60
PHYS	301	Intro Mathematical Physics	3.00	A-	11.10
PHYS	309	Undergraduate Seminar	1.00	A	4.00
Ehrs: 17.00 GPA-Hrs: 17.00 QPts: 58.90 GPA: 3.46

Fall 2012
ANTH	201	Intro to Archaeology	3.00	B+	9.90
ENSP	101	Intro to Env Science & Policy	3.00	A	12.00
MUSC	J14	Jzz:Keybrd 1- 1/2 hr Lesson	1.00	A	4.00
PHYS	303	Classical Mech Part/Waves II	3.00	B	9.00
PHYS	313	Introduction Quantum Physics	3.00	A	12.00
PHYS	403	Stat Mechanic/Thermodynamics	3.00	A-	11.10
PHYS	451	Physics Research	1.00	B	3.00
Ehrs: 17.00 GPA-Hrs: 17.00 QPts: 61.00 GPA: 3.58

Spring 2013
ANTH	350	Music Cultres of theMiddle Est	0.00	W	0.00
ENSP	211	Ethics of Globalization	3.00	B+	9.90
ENSP	250	SM:Sustain. LandUse,Desgn,Mgmt	1.00	A	4.00
GEOL	323	Earth Structure & Dynamics	4.00	B	12.00
MUSC	J24	Jzz:Keybrd 2- 1/2 hr Lesson	1.00	A	4.00
PHYS	401	Electricity & Magnetism	3.00	A-	11.10
PHYS	452	Physics Research	1.00	B	3.00
Ehrs: 13.00 GPA-Hrs: 13.00 QPts: 44.00 GPA: 3.38
*************** CONTINUED ON NEXT COLUMN ********************

**************** TRANSCRIPT TOTALS *********************
	Earned Hrs	GPA Hrs	Points	GPA
TOTAL INSTITUTION	115.00	126.00	371.00	2.94
TOTAL TRANSFER	21.00	0.00	0.00	0.00
OVERALL	136.00	126.00	371.00	2.94
**************** END OF TRANSCRIPT *********************

Copy *The College Of* WILLIAM&MARY

Academic Transcript Key

The College of William and Mary, chartered in 1693, is a public university supported by the Commonwealth of Virginia. The institutional commitment to a well-rounded liberal education is sustained by the undergraduate College of Arts and Sciences and School of Business Administration, and by graduate programs in arts and sciences, business, education, law, and marine science.

ADDRESS
The College of William and Mary, Office of the University Registrar
PO Box 8795, Williamsburg, VA 23187-8795

ACCREDITATION
The College of William and Mary is accredited by the Southern Association of Colleges and Schools, the American Assembly of Collegiate Schools of Business, the Association of American Law Schools, and the National Council for Accreditation of Teacher Education.

ACADEMIC CALENDAR
The College of William and Mary operates on a semester basis. A semester consists of fourteen weeks devoted to classroom instruction followed by a two-week examination/study period.

COURSE NUMBERS
Course numbers below 300 are generally considered "lower-level" undergraduate courses; courses numbered between 300 and 499 are generally considered "upper-level" undergraduate courses. Courses with a suffix of W following the course number denote a writing intensive course. Courses numbered 500 and above carry graduate credit, as do courses in the 300 and 400 series which bear the suffix "G" (e.g., MATH412G). Certain graduate education courses carry alpha-numeric course numbers (e.g., EDUC F65). All courses with subject code CRIN and EPPL are graduate level education courses.

ACADEMIC CONTINUANCE
An undergraduate student whose cumulative GPA falls below 2.00 in any semester and who fails to earn at least 9 credits is automatically placed on academic probation for the following semester. A student who does not meet minimum requirements for continuance may be required to withdraw for academic deficiency by the Committee on Academic Status. A student is assumed to be in good academic standing unless otherwise indicated.

DEGREE INFORMATION
Certificate of Advanced Graduate Study (C.A.G.S.) and Educational Specialist Degree (Ed.S.) - Effective Summer 1986, the Certificate of Advanced Graduate Study awarded by the School of Education was converted without curricular change to the Educational Specialist Degree. The two are equivalent.

RECORDS SYSTEM
Prior to 1896   Stored in University Archives
1896 - 1986   Stored via microfilm Permanent Record Cards
1986 - present   Stored in and printed from automated records system

PLUS/MINUS VALUES
Plus/Minus (+/-) values were added to the grading scale according to the following schedule:

School of Law	September 1971
	June 2003 (A+ added)
Graduate School of Business	September 1984 (B+ and B– added)
	September 1987 (A– and C+ added)
	September 2002 (C- added)
Undergraduate Division	September 1988
Graduate Arts and Sciences	September 1990
Graduate School of Education	September 1993
School of Marine Science	January 1994 (*D, D- and D+ all carry zero quality points)

GRADING SYSTEM, SYMBOLS AND ABBREVIATIONS**
Prior to Fall 1976, each of the divisions of the College awarded quality points on the basis of a 3-point system (for each semester credit of work graded A=3 quality points, B=2 quality points, C=1 quality point). The Schools of Education and Graduate Business continued to award quality points using the 3-point system through December 1977. Prior to Fall 1996, KIN and/or PE 100 were not calculated into the grade point average except in the case of failure. December 1977 through Spring 2003, the Graduate Business School awarded quality points for letter grades that were taken out to two decimal points, (e.g. A- = 3.67). With the Summer 2003 semester, Graduate Business adopted the quality point scale listed below, however it does not assign the grades of "D+," "D," "D-."
Effective Fall 1989 through Spring 2003, the School of Law adopted a 12-point scale for its quality point system. Total quality points divided by total hours divided by 3 equaled the Law grade point average. Effective Summer 2003, the School of Law adopted the 4.0 scale followed by the College.

The table below illustrates the current grading point system:

Grade**	Quality Points	Description
A +	4.3	Law School Only
A	4.0	Superior
A–	3.7	
B+	3.3	
B	3.0	Good
B–	2.7	
C+	2.3	
C	2.0	Average/Satisfactory
C–	1.7	
D+	1.3	
D	1.0	
D–	0.7	Passing/Minimal Pass
F	0.0	Failure
G		Grade Deferred
HP		High Pass - Law School Only
I		Incomplete
NG		Grade not reported
O		Audit
P		Pass
R		Course must be repeated
S		Satisfactory
U		Unsatisfactory
W		Withdrew
WM		Withdrew, Medical reasons
Z		Year-long course; grade and credit awarded second semester
*A - *D		Denotes converted grades from 3.0 to 4.0 scale
X (prefix)		Grades preceded by an X denote co-enrollment with student's home institution

** *For description of symbols no longer used, contact the University Registrar's Office.*

STATISTICS
The tables printed below display cumulative statistical information about grades and undergraduate students at the College of William and Mary.

TABLE 1 – Overall undergraduate grade distribution percentages for each of the last five years (i.e., the percentage of A/A–'s awarded, the percentage of B+/B/B– 's awarded, etc.)

	A	B	C	D	F	P	*
2001	38.0%	35.7%	10.9%	3.6%	1.1%	7.7%	3.0%
2002	38.2%	36.6%	12.3%	2.3%	1.2%	6.5%	2.9%
2003	38.5%	36.9%	11.7%	2.0%	1.2%	6.5%	3.2%
2004	39.6%	36.4%	11.7%	2.0%	1.1%	6.6%	2.6%
2005	41.3%	36.7%	11.5%	2.0%	1.2%	5.4%	1.9%

*Other: includes audits, incompletes, withdrawals, etc.
Source: Annual Fall semester Distribution of Grades Report

TABLE 2 – Undergraduate cumulative grade point averages (GPA).

Fall 2001	Fall 2002	Fall 2003	Fall 2004	Fall 2005
3.03	3.08	3.20	3.21	3.22

SIGNATURE   SEAL

Sara L. Marchello, University Registrar

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Virginia's Community Colleges

VCCS Credit Unofficial Transcript

Name: **Lever III,Thomas Scott**   **Student ID: 7295277**

Birthdate: 07/28/1989
Student Address: 408 Mobile Ln
                         Charlottesville, VA 22903

Institution Info: Piedmont VA Community College
                         501 College Drive
                         Charlottesville, VA 22902
Institution ID: 233116

Print Date: 08/12/2021

Credit Record

2021 Spring

Course		Description	Attempted	Earned	Grade	Points
MTH	245	Statistics I	3.000	3.000	A	12.000
MTH	266	Linear Algebra	3.000	3.000	A	12.000

			Attempted	Earned	GPA Units	Points
Term GPA	4.000	Term Totals	6.000	6.000	6.000	24.000
Cum GPA	4.000	Cum Totals	6.000	6.000	6.000	24.000

Academic Standing Effective 05/12/2021: Good Standing

2021 Summer

Course		Description	Attempted	Earned	Grade	Points
CSC	201	Computer Science I	4.000	4.000	A	16.000
CSC	202	Computer Science II	4.000	4.000	A	16.000

			Attempted	Earned	GPA Units	Points
Term GPA	4.000	Term Totals	8.000	8.000	8.000	32.000
Cum GPA	4.000	Cum Totals	14.000	14.000	14.000	56.000

Academic Standing Effective 08/08/2021: Good Standing

End of VCCS Credit Unofficial Transcript

Statement of Purpose

I am applying to study as a graduate student of the UVA School of Data Science so that I can be a powerful collaborator in a company or team's Data-Science process of defining a vision and requirements for a research project; exploring and organizing data, developing and applying models to represent or identify patterns in data, evaluating models, producing shared knowledge and life-improving software solutions, and communicating about this work. I want to master working with massive datasets, exploring and organizing data efficiently; understanding advanced statistics and multidimensional mathematics; and employing, designing, and developing state-of-the-art, high-performance methods, models, and tools that are ideal for various use cases.

I am passionate about studying the architecture, suitability, and applications of neural networks; developing project design documentation and software as a member of a team; and employing and developing models for computer vision. I feel aligned with the work of Dr. Bill Basener; I am considering developing an application employing a neural network for classifying and identifying relatively small objects in a larger urban environment based on aerial imagery based on LiDaR data. I have conviction that such an application could aid in understanding urban demographic trends, urban planning, and developing healthy community. I am fascinated by signal generation and decoding, deriving meaning from signals, and developing applications that interweave signal information. I love working to clearly communicate technical information; I would be a valuable contributor to accessible academic writing as well as a valuable teaching assistant and undergraduate mentor.

I have significant experience with data exploration, analysis, technical writing, project management, and object-oriented software development. I have experience with collaborating with a team to develop understanding, useful products, and computer infrastructure. For Elder Research, I architected and co-developed a web application, based on a server and a database, for detecting anomalous computer usage. I serve as a Junior Software Developer with Blue Ridge Software Solutions, where I develop an API for developing web applications, develop a music-literacy application, and develop a domestic appliance employing computer vision. I have developed a server that listens for HTTP requests from a client and provides responses with database information; a client that requests weather information from OpenWeatherMap; Little_YOLOv4 and proprietary software to leverage functionality of the darknet deep-learning framework; a C# application for drawing bounding boxes around objects in images; neural-network-based classifiers and detectors; applications to manipulate audio and other signals; and a suite of explanatory documentation. I study Computer Science, Deep Learning, Engineering, Mathematics, and Physics.

In the next five years, I plan to continue to live in Charlottesville and work as a Data Scientist with a company like Elder Research or Commonwealth Computer Research. I feel excited about working to actualize the vision and goals of clients for projects; to understand clients' existing data and modeling tools; and to develop data infrastructure, software solutions, and actionable insights.

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Addendum regarding Negative Aspects of Application

I profoundly regret some of the short-sighted choices I made when studying at William & Mary, such as failing to drop one of my series of jazz-piano lessons. I humbly request that my junior / senior records, acquired after taking a gap year to volunteer as an Assistant Teacher at Emlen Elementary School in inner-city Philadelphia and to mature, be considered in lieu of all records of my study at William & Mary. I would be more than happy to continue to ace undergraduate-level courses to demonstrate my commitment to, readiness for, and experience with studying Data Science at the graduate level.

Word Counts

The Statement of Purpose has 476 words, including title.
The Addendum has 108 words, including title.