

Browning Public Schools Online Application

Manley, James - AppNo: 631

Date Submitted: 12/21/2016

Personal Data

Name: Mr. James Manley
 (Title) (First) (Middle Initial) (Last)

Other name(s) under which transcripts, certificates, and former applications may be listed:

Other:
 (Title) (First) (Middle Initial) (Last)

Email Address: jim.manley@gmail.com

Postal Address

Permanent Address	Present Address
Number & Street: 126 Henderson Road	Number & Street:
Apt. Number:	Apt. Number:
City: Cut Bank	City:
State/Province: MT	State/Province:
Zip/Postal Code: 59427	Zip/Postal Code:
Country: United States of America	Country:
Daytime Phone: (307) 2548636	Phone Number:
Home/Cell Phone: (307) 2548636	

Employment Desired

Open Vacancy Desired:	Date Last Submitted	Experience in Similar Positions
JobID: 261 High School Teaching: Science Teacher at Browning High School	12/21/2016	4 years

Position Desired:	Experience in Similar Positions
High School Teaching	
1. Industrial-Technology Education	3 years
2. Mathematics	2 years
3. Mathematics - Computer Science	3 years
4. Science - Earth Science	2 years
5. Science - General	4 years
6. Science - Physical Science	2 years
7. Science - Physics	2 years

Experience

Please list ALL relevant work experience beginning with the most recent.

Current or Most Recent Position	Employer Contact Information	Supervisor/Reference Contact Information
HovAirCraft Co. Chief Technical Officer	340 S Day Street Powell, WY 82435 307-254-8636	James Manley 307-254-8636 jim.manley@gmail.com
Date From - Date To:	Full or Part Time:	Last Annual Salary:
06/2016 - 12/2016	Full	
Reason for Leaving:	Present Position	
May we contact this employer?	Yes	
Responsibilities/Accomplishments at this Position	Designed and engineered a new class of aircraft that is a hybrid of a hovercraft and an airplane that requires no runways or taxiways and can land on unprepared smooth terrain or water. Also developed flying prototypes and all of the software and tooling required for series production of full-scale kit and commercial certificated	

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Experience Continued

Responsibilities/ Accomplishments at this Position continued...
aircraft.

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Metro Nashville Public Schools Computing Teacher		2601 Bransford Ave. Nashville, TN 37204 615-259-4636		Pam Honarvar 615.333-5135 x:2114 Pamela.Honarvar@mnps.org	
Date From - Date To:	09/2015 - 05/2016	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Death in the family and desire to live closer to relatives				
May we contact this employer?	Yes				
Responsibilities/ Accomplishments at this Position	<p>Created new curricula for college-level IT Foundations, Web Foundations, Web Site Development, and Web Practicum courses using Javascript, Python, HTML, and CSS based on new state standards and my education and industry and military experience.</p> <p>Taught the new curricula in six classes from 9th to 12 grades, but only after vastly improving students uniformly poor reading, writing, math, and science skills that they had not effectively acquired in previous classes.</p> <p>Introduced students to single-board computing (SBC) using Raspberry Pi, BeagleBone Black, Cubieboard, Odroid, C.H.I.P., PINE A64+, and Arduino SBCs.</p> <p>The majority of students are free school lunch eligible and of minority races with generally poor reading, writing, math, and science skills.</p>				

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Monterey Peninsula Unified School District STEM Teacher for Robotics, Engineering Design, and Network Admin		700 Pacific St. Monterey, CA 93940 831-645-1200		James Frazier 831-583-2060 x3712	
Date From - Date To:	10/2012 - 06/2015	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	8% decline in school enrollment				
May we contact this employer?	Yes				
Responsibilities/ Accomplishments at this Position	<p>Created new curricula for college-level software development, network administration, robotics, and engineering design courses using Python, Javascript, Ruby, and Java.</p> <p>Taught the new curricula in six classes at two high schools for grades 9 - 12.</p> <p>Led two FIRST (For Inspiration and Respect of Science and Technology) Robotics teams that reached as high as 12th place in Silicon Valley regional competitions.</p> <p>The majority of students were free school lunch eligible and of minority races with generally poor reading, writing, math, and science skills.</p>				

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Experience Continued

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
HovAirCRAFT Co. Chief Technical Officer		400 Brittany Rd Seaside, CA 93955 831-920-9533		James Manley 831-920-9533 jim.manley@gmail.com	
Date From - Date To:	09/2012 - 07/2007	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Sold business				
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	Designed and engineered a new class of aircraft that is a hybrid of a hovercraft and an airplane that requires no runways or taxiways and can land on unprepared smooth terrain or water. Also developed flying prototypes and all of the software and tooling required for series production of full-scale kit and commercial certificated aircraft.				

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Liberate Technologies Senior Software Engineer		310 University Avenue, Suite 201 Palo Alto, CA 94301 650-330-8960		Psi Mankoski 408-462-2376 psi@aerospike.com	
Date From - Date To:	08/2004 - 07/2007	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Company acquired and moved to East Coast from California				
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	<p>Developed software in C on PowerTV OS for the first digital video recorders (DVRs) capable of recording three channels while playing back a current or previous recording.</p> <p>Developed software in C on PowerTV OS for digital cable set-top boxes (STBs).</p> <p>Software included both low-level system functions for starting, stopping, playing, pausing, listing, searching, and deleting recordings, and supporting HTML and Javascript-based user interface and video displays.</p>				

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
TiVo Inc. Senior Software Engineer		2160 Gold Street San Jose, CA 95002 408-519-9100		John De Voy 408-519-9100 john@devoy.com	
Date From - Date To:	10/2000 - 07/2004	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Projects completed and received offer for more challenging position				
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	<p>Developed software in C and PowerPC assembly language on Red Hat Linux 6.2 on custom hardware, as well as C, Java SE, and Oracle SQL on Sun 4 servers running SunOS.</p> <p>Software developed for the first digital video recorders (DVRs) capable of recording two channels while playing back previous recordings.</p> <p>DVRs were capable of recording from analog over-the-air and cable (NTSC), and digital over-the-air (ATSC),</p>				

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Experience Continued

Responsibilities/ Accomplishments at this Position continued...

cable, and satellite channels.

Software included both low-level system functions for starting, stopping, playing, pausing, fast-forwarding, rewinding, listing, searching, and deleting recordings, as well as logging system events, user remote control button presses, and user interface navigation and selection.

Also developed the TiVo Audience Research and Measurement (ARM) system that compressed, encrypted, transmitted, collected on servers, decrypted, decompressed, parsed into a database, analyzed, and produced ad-hoc as well as periodic tabular and graphic reports in Excel, HTML, and PDF formats.

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Ellipsys Technologies Senior Software Engineer		320 Encinal Street Santa Cruz, CA 95060 408-466-2500		Gene Pester 818-678-3804 gpester@ellipsys.net	
Date From - Date To:	08/1999 - 07/2000	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Company acquired and relocated 400 miles away				
May we contact this employer?	Yes				
Responsibilities/ Accomplishments at this Position	<p>Developed software for Intel 486-based telecommunications test and troubleshooting equipment containing protocol-specific EISA interface cards.</p> <p>Capable of diagnosing plain old telephone system (POTS), ISDN, GR-303, ATM, and other analog and digital telecommunications protocols.</p> <p>Data was collected in, and analyzed from, an internal Oracle database using Oracle SQL.</p> <p>Developed a custom GUI in C for controlling data collection and performing analysis that was built on embedded Windows XP.</p>				

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
Teknowledge Corp. Senior Software Engineer		2595 East Bayshore Road Palo Alto, CA 94303 650-424-0500		Neil Jacobstein 650-424-0500 njacobstein@teknowledge.com	
Date From - Date To:	09/1994 - 07/1999	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Completed projects and received offer for more challenging position				
May we contact this employer?	Yes				
Responsibilities/ Accomplishments at this Position	<p>Led teams and developed software in C, Tcl/Tk, Java SE, Oracle SQL, and CORBA on Sun, Intel Pentium EISA, and PowerPC Macintosh systems.</p> <p>Software developed for Defense Advanced Research Projects Agency (DARPA) projects for next-generation military command and control, communications, and intelligence (C4I) systems, and commercial network-distributed collaborative information processing.</p>				

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Experience Continued

Previous Position Held		Employer Contact Information		Supervisor/Reference Contact Information	
U.S. Navy Naval Officer, Nuclear Engineer, Pilot, and Senior Software Engineer		Defense Finance and Accounting Service, P.O. Box 7130 London, KY 40742-7130 888-332-7411		Customer Service Representative 888-332-7411 DFAS.CLEVELAND-OHJFL.MBX.CCL-CATCH	
Date From - Date To:	06/1976 - 08/1994	Full or Part Time:	Full	Last Annual Salary:	
Reason for Leaving:	Completed obligated service				
May we contact this employer?	Yes				
Responsibilities/Accomplishments at this Position	<p>Led teams and participated in development of advanced software and hardware prototype systems.</p> <p>Operated prototype systems on deployed U.S. Navy submarines, aircraft carriers, and amphibious assault ships across the Atlantic, Pacific, and Indian Oceans, the Arabian/Persian Gulf, and the Mediterranean Sea.</p> <p>Supported real-world operations with these systems, including Operations Desert Shield, Desert Storm, Provide Comfort, and Northern Watch in Iraq, and Operation Provide Promise in Bosnia-Herzegovina, among others.</p> <p>Trained and served as a nuclear submarine engineer, airplane and helicopter pilot, intelligence officer, and systems research, development, and acquisition officer.</p>				

Student Teaching

Student Teaching/Internship

School District	
Location	
School Phone #	
School Year	
Date Completed (mm/yyyy)	
Length of Experience	
Grade Level(s)/Subject Area(s) Taught	
Name and Phone of Cooperating Teacher or Field Supervisor	
Name and Phone of Add'l Cooperating Teacher or Field Supervisor	
Name and Phone of University Supervisor	
Academic Grade Received	

Additional Student Teaching/Internship

School District	
Location	
School Phone #	
School Year	
Date Completed (mm/yyyy)	
Length of Experience	
Grade Level(s)/Subject Area(s) Taught	

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Student Teaching continued

Name and Phone of Cooperating Teacher or Field Supervisor	
Name and Phone of Add'l Cooperating Teacher or Field Supervisor	
Name and Phone of University Supervisor	
Academic Grade Received	

Education

Please tell us about your educational background beginning with the most recent.

High School Attended: Pequannock Township High School, Pompton Plains, NJ
Graduation Status: H.S. Diploma

Colleges, Universities and Technical Schools Attended:

Name and location	Dates Attended: From - To	Major area of study and number of semester hours	Minor area of study and number of semester hours	Degree	Date Conferred or Expected
MD - United States Naval Academy	07/1972 06/1976	Ocean Engineering Hrs:	Hrs:	Bachelor of Science	06/1976
CA - Naval Postgraduate School	01/1985 12/1986	Computer Science Hrs:	Hrs:	Master of Science	12/1986

Overall GPA	Undergraduate 2.28/4	Graduate 3.20/4
Major GPA	2.28/4	3.20/4
Highest Degree Attained	Number of graduate hours beyond your highest degree:	Grad Program Of Study
MA/MS/etc.		Computer Science

List honors, awards or distinctions you have earned:

Semester Hours

For the subject areas below in which you have 15 or more semester hours/credits, please indicate how many university semester hours/credits you have and/or if you are endorsed.

Subject Area	Semester Hours	Endorsed	Subject Area	Semester Hours	Endorsed
Art - 2-D/3-D	20	No	Business Education - Data Processing	20	Yes
Industrial Arts - Auto/Power	20	No	Industrial Arts - Drafting	20	Yes
Industrial Arts - Electricity	20	Yes	Mathematics - Algebra	15	No
Mathematics - Calculus	20	No	Mathematics - Computer Science	20	Yes
Mathematics - General	20	No	Mathematics - Geometry	15	No
Mathematics - Other	15	No	Mathematics - Trigonometry	15	No
Science - Astronomy	15	No	Science - Earth Science	20	No
Science - Other Physical Science	20	No	Science - Physics	20	No

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Certification

Do you hold National Board for Professional Teaching Standards certification? **No**

Do you hold or anticipate a Montana certificate? **No**

* Have you applied for a Montana certificate? **No**

* List the date you applied for certification:

* Have you received a deficiency statement? **No**

If pending, date test taken

* Have you passed the Basic Skills Exam? **Yes**

* Have you passed the Content Area Exam? **Yes**

Do you hold a current out-of-state certificate? **Yes**

State	Type	Certificate Number	Expiration Date	Current?
TN	Occupational Educator	636271	8/31/20	Yes

List your out-of-state certified teaching/administration fields:

595 Technology Infrastructure <https://tdoe.tncompass.org/public/license/index?id=267008>

Highly Qualified Teacher

* Have you previously obtained Highly Qualified status from a school district? **No**

If Yes, what type of school district considered you Highly Qualified?

For the subject areas below in which you meet the federal highly qualified standard, select the method used to meet the standard. Only select a method for those subjects in which you meet the federal highly qualified standard.

Subject Area	Method	Subject Area	Method
Mathematics	Graduate Degree	Science	Undergraduate Major

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Extracurricular Activities

Club	Astronomy	CAD Drafting	Computer	Computer Coordinator
	Internet Club	Science Bowl	Science Olympiad	

Please provide more details regarding your experience or interest in your selected extra curricular activities. For instance, provide details on any experience as a participant at the high school or college level or as a director, coach, supervisor, or sponsor.

Primary mentor for FIRST Robotics Competition (FRC) and FIRST Technology Competition (FTC) competition teams

Technical mentor for Air Force CyberPatriot computing security competition team

Statement

Tip: Use your word processor to copy and paste in your answers. Copy your answers from the word processor and then hit CTRL+V for PC or OpenApple+V for Mac to paste.

1. Describe the skills or attributes you believe are necessary to be an outstanding teacher.

To be an outstanding teacher, the necessary skills and attributes are superior content knowledge, leadership, passion, and organization. Teachers have many roles to play throughout the school day, requiring accommodation of not just the academic, but social and emotional needs of all of their students.

Outstanding teachers utilize exemplary classroom leadership techniques to establish a productive classroom that is safe, promotes enthusiasm, and fosters curiosity. An effective teacher engages all students in each lesson so that they become part of a community established in the classroom. When a teacher is able to encourage every student to become responsible for their own learning, then the students will transition from being passive consumers of whatever material is presented, to becoming active seekers of knowledge.

Additionally, an outstanding teacher must be supremely knowledgeable and facile with lesson fundamentals and their application in the real world. It's also important that teachers introduce lessons such that all students' diverse learning styles are accommodated.

Outstanding teachers become good leaders by being good listeners - education is an intensely interactive activity. Teachers' guidance is sought by students, and so it's important that teachers exhibit strong leadership skills and assist students in learning to work together as well as on their own.

An outstanding teacher must interact with each student in a way that enables them to not only learn lesson academic content, but how to extrapolate it to other lessons in the same course, as well as their other courses.

Finally, an outstanding teacher possesses the skills that enables them to help students become well-educated citizens in their communities, as well as academic successes.

2. How would you address a wide range of skills and abilities in your classroom?

Addressing a wide range of skills and abilities in my classroom is accomplished by adapting my teaching in response to each of my students. In addition to independent student work, pairing, small and large groups, and entire-class efforts are pursued. It doesn't take long for students to become bored with a teacher who's a Sage on the Stage and just lectures to them. However, students are fluent speakers of the Kid language, and they are much more interested in what their classmates discover and share through explanation and exhibition.

Students need to learn how to be critical of the world around them and ask questions, become active in discussions, and participate in group shared activities. At the beginning of each school year, I have students complete a survey of their interests and dislikes so that they can be reflected in their classroom efforts.

Students will become engaged in their assignments and material to be learned if they can work on it from the perspective of things they