

Name: Marvin GanironDate: November 17, 2022**Career Research Worksheet - #1****Primary Resource:** <https://careerkokua.hawaii.gov/>**Under Career Exploration, select Occupations**

- Username: **waipahuhs**
- Password: **8h3ekk**

Other Resources:[Occupational Outlook Handbook](#)[Career One Stop: Videos](#)[O*Net OnLine](#)

Job Title:	Computer systems analysts														
Academy:	Academy of Industrial and Engineering Technology (IET)														
Specific Work Activities: Explain at least 3 occupational tasks they do that seem interesting to you.	<p>One work activity is to write computer programs which have someone make a program of whatever they want. This program can be used to make something easier or something enjoyable.</p> <p>Another work activity is to train staff how to use computer systems. You will need to teach the staff about the system like how the system works and how it can be useful.</p> <p>The third work activity is to test and maintain computer programs and systems and maybe revise the program when there are errors. Testing programs and systems is important for if there are any errors and if it works as expected.</p>														
Related Occupations: List 3 related occupations that seem appealing to you.	<ul style="list-style-type: none"> • Computer Engineers • Computer Programmers • Information Security Analysts 														
Skills & Abilities: Describe at least 3 required skills/abilities from different areas for this occupation.	<p>Computer systems analysts typically use math and science like quickly doing math problems, use math methods or formulas, and use math to solve problems.</p> <p>They also reason and problem solve by analyzing ideas and finding their strengths and weaknesses.</p> <p>A third skill is good communication skills like speaking and writing clearly and listening to others and their questions.</p>														
Working Conditions: What is a typical work setting? Describe 3 things from different areas.	<p>A physical working condition looks to be always working indoors, you will work close to others, and you can have distracting noise levels, like a loud fan.</p> <p>The work performance must be exact and have all details, strict deadlines weekly, and repeating similar tasks over and over.</p> <p>Interpersonal relationships can have a moderate level of social contact, work as a team, and write letters and memos monthly.</p>														
Physical Demands: What are 3 physical things they do frequently?	<ul style="list-style-type: none"> • Sitting for long periods of time • Use fingers to grasp, move, or assemble very small objects • See details of objects that are less than a few feet away. 														
Knowledge: Describe at least 3 things they need to know.	<ul style="list-style-type: none"> • Computers and Electronics: Computer hardware and software • Mathematics • Engineering and Technology: How to use computers and rules of engineering to design and produce goods and services 														
Salary Range: Low-Median-High	<table border="1"> <thead> <tr> <th></th> <th>Low</th> <th>Median</th> <th>High</th> </tr> </thead> <tbody> <tr> <td>Hawaii</td> <td>\$60,120</td> <td>\$74,110</td> <td>\$91,430</td> </tr> <tr> <td>United States</td> <td>\$68,260</td> <td>\$88,270</td> <td>\$112,540</td> </tr> </tbody> </table>				Low	Median	High	Hawaii	\$60,120	\$74,110	\$91,430	United States	\$68,260	\$88,270	\$112,540
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Hawaii	\$60,120	\$74,110	\$91,430												
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Job Outlook: What is the national and state trend for this career? Is this job market expected to increase or decrease within the next 5 years?	<p>The national trend is expected to increase by 9.1%. The state trend is expected to increase by 7.0%. This job overall is expected to increase within the next 5 years.</p>														
High School Courses: Determine 3 helpful courses that would prepare you for this career.	<ul style="list-style-type: none"> • Computer Programming • Computer Science • Computer Applications 														
Preparation: What type of education do you typically need?	<p>For a Computer systems analyst, the type of education I need is typically a Bachelor's degree and have a high school diploma or equivalent.</p>														

Reflection:

Your paragraph should state why you feel or do not feel this career is for you and 3 reasons to support your claim.

I feel like this career is for me because I feel like I will like working with computers. This career also pays well. The last reason I feel like I will belong here is that I get to work mostly at the comfort of my home.

Career Research Worksheet - #2

Job Title:	Computer Operator														
Academy:	Academy of Industrial and Engineering Technology (IET)														
Specific Work Activities: Explain at least 3 occupational tasks they do that seem interesting to you.	<ul style="list-style-type: none"> ● Read instructions in order to set up equipment properly <ul style="list-style-type: none"> ○ Follow a specific set of predetermined rules ● Operate different kinds of software programs. <ul style="list-style-type: none"> ○ Help and work with other people to work on programs ● Help test and debug new programs <ul style="list-style-type: none"> ○ Check for bugs and security problems on programs 														
Related Occupations: List 3 related occupations that seem appealing to you.	<ul style="list-style-type: none"> ● Computer Programmers ● Computer Systems Administrators ● Computer Systems Analysts 														
Skills & Abilities: Describe at least 3 required skills/abilities from different areas for this occupation.	<p>Computer Operators need to communicate with others. Communicating includes speaking clearly so listeners can understand, writing clearly so other people can understand, and listening to others and asking questions.</p> <p>Computer Operators also reason and problem solve. They can find what is wrong or what may be going wrong, follow guidelines to do things in the right order, and use reasoning to discover answers to problems.</p> <p>A third thing Computer Operators need is the ability to work with people. They need to Change behavior in relation to others' actions, look for ways to help people, and be aware of others' reactions and understand the possible causes.</p>														
Working Conditions: What is a typical work setting? Describe 3 things from different areas.	<p>Physical working conditions for a Computer Operator would be working inside all the time, working close to people, like sharing a small room with someone, and being exposed to sounds that can be distracting.</p> <p>Interpersonal relationships appear to need a high level of social contact, communicating with coworkers daily by email, telephone, and in person, and writing letters and memos weekly.</p> <p>Work performance must be very exact in their work and be sure everything is done, have repeated similar activities over and over, and you must meet strict daily deadlines.</p>														
Physical Demands: What are 3 physical things they do frequently?	<ul style="list-style-type: none"> ● Sit for long periods of time ● Use their hands to handle, control, or feel objects, tools, or controls ● Use fingers to grasp, move, or assemble very small objects 														
Knowledge: Describe at least 3 things they need to know.	<ul style="list-style-type: none"> ● Telecommunications: The tools used to send messages and data. ● Computers and Electronics: Computer hardware and software ● Customer and Personal Service: Providing special services to customers based on their needs. 														
Salary Range: Low-Median-High	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td></td><td>Low</td><td>Median</td><td>High</td></tr> <tr> <td>Hawaii</td><td>\$40,980</td><td>\$48,570</td><td>\$59,120</td></tr> <tr> <td>United States</td><td>\$33,760</td><td>\$44,270</td><td>\$57,030</td></tr> </table>				Low	Median	High	Hawaii	\$40,980	\$48,570	\$59,120	United States	\$33,760	\$44,270	\$57,030
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Job Outlook: What is the national and state trend for this career? Is this job market expected to increase or decrease within the next 5 years?	The national trend is expected to decrease by -22.8%. The state trend is expected to decrease by -24.2%. Within the next 5 years, It overall is expected to decrease.														
High School Courses: Determine 3 helpful courses that would prepare you for this career.	<ul style="list-style-type: none"> ● Computer Applications ● Computer Programming ● Computer Science 														
Preparation: What type of education do you typically need?	An Computer Operator needs to have a high school diploma or equivalent and complete moderate-term, on-the-job training.														
Reflection: Your paragraph should state why you feel or do not feel this career is for you and 3 reasons to support your claim.	I feel like this career isn't the best for me. This career isn't for me because it has strict daily deadlines, you need to communicate and help many different people, including the difficult ones, and there isn't room for even very small mistakes.														

