

## Computer Programmers (15-1131)

**Occupation description:** Create, modify, and test the code, forms, and script that allow computer applications to run. Work from specifications drawn up by software developers or other individuals. May assist software developers by analyzing user needs and designing software solutions. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information.

### Employment and Job Openings

|               | Employment    |                 |                | Average annual openings |                      |        |
|---------------|---------------|-----------------|----------------|-------------------------|----------------------|--------|
|               | 2016 estimate | 2026 projection | Percent change | Labor force exits       | Occupation transfers | Total  |
| Alaska        | 567           | 564             | -0.5           | 10                      | 25                   | 35     |
| United States | 294,900       | 273,600         | -7.2           | 5,000                   | 12,700               | 15,570 |

#### Job outlook

**Alaska:** Alaska's employment growth is low with moderate employment opportunities. [Read more.](#)

### 2018 Wages ?

|                              | Mean Wage | Wage by Percentile |       |        |       |       |
|------------------------------|-----------|--------------------|-------|--------|-------|-------|
|                              | Mean      | 10th               | 25th  | Median | 75th  | 90th  |
| United States                | 43.07     | 23.46              | 30.97 | 40.52  | 52.46 | 64.73 |
| Alaska                       | 41.39     | 25.50              | 31.41 | 40.79  | 48.33 | 57.11 |
| Anchorage/Mat-Su Area        | 40.35     | 24.29              | 30.03 | 40.39  | 47.42 | 56.49 |
| Fairbanks North Star Borough | 34.65     | 25.76              | 28.54 | 33.94  | 40.41 | 46.66 |
| Balance of State             | 45.59     | 29.36              | 35.97 | 43.97  | 50.78 | 63.03 |

### Labor Force Indicators

#### 2016 Worker Characteristics

| Total workers | Nonresident workers | Percent nonresident | Percent age 45 plus | Percent age 50 plus |
|---------------|---------------------|---------------------|---------------------|---------------------|
| 624           | 58                  | 9.3                 | 48.3                | 37.2                |

#### 2016 Potential Supply

|   |    |
|---|----|
| Qualified but working in another occupation   | 63 |
| Currently employed in a lower paid occupation | 27 |
| UI claimants previously working in occupation | 14 |

#### 2016 ALEXsys Employment Data

|   |     |
|---|-----|
| Number of registrants                         | 133 |
| Number of job position postings               | 24  |
| Ratio of registrants to job position postings | 5.5 |

## Typical Entry-level Education, Experience, and/or On-the-job Training

**Education:** Bachelor's degree

**Work experience:** None

**On-the-job training:** None

## Training Resources

|   |               |
|---|---------------|
|   | <b>Degree</b> |
| <b>Alaska Computer Business Solutions LLC (Anchorage)</b> |               |

|               |  |
|---------------|--|
| Visio Level 1 |  |
| Visio Level 2 |  |

|   |               |
|---|---------------|
|   | <b>Degree</b> |
| <b>Charter College, Anchorage (Anchorage)</b> |               |

|                              |    |
|------------------------------|----|
| Computer Information Systems | BS |
|------------------------------|----|

|  |               |
|--|---------------|
|  | <b>Degree</b> |
| <b>Embry-Riddle Aeronautical University (JBER)</b> |               |

|                                |    |
|--------------------------------|----|
| Management Information Systems | MS |
|--------------------------------|----|

|   |               |
|---|---------------|
|   | <b>Degree</b> |
| <b>Thomas Edison State University (Eielson AFB)</b> |               |

|                  |    |
|------------------|----|
| Computer Science | BA |
|------------------|----|

|   |               |
|---|---------------|
|   | <b>Degree</b> |
| <b>University of Alaska Anchorage (Anchorage)</b> |               |

|                                       |     |
|---------------------------------------|-----|
| Business Computer Information Systems | AAS |
|---------------------------------------|-----|

|                  |    |
|------------------|----|
| Computer Science | BA |
|------------------|----|

|                  |    |
|------------------|----|
| Computer Science | BS |
|------------------|----|

|                                |     |
|--------------------------------|-----|
| Management Information Systems | BBA |
|--------------------------------|-----|

|   |               |
|---|---------------|
|   | <b>Degree</b> |
| <b>University of Alaska Anchorage, Kenai (Soldotna)</b> |               |

|                   |     |
|-------------------|-----|
| Technical Support | OEC |
|-------------------|-----|

|  |               |
|--|---------------|
|  | <b>Degree</b> |
| <b>University of Alaska Anchorage, Kodiak (Kodiak)</b> |               |

|                             |     |
|-----------------------------|-----|
| Computer Systems Technology | AAS |
|-----------------------------|-----|

|                   |     |
|-------------------|-----|
| Technical Support | OEC |
|-------------------|-----|

|  |               |
|--|---------------|
|  | <b>Degree</b> |
| <b>University of Alaska Anchorage, Mat-Su (Palmer)</b> |               |

|                             |     |
|-----------------------------|-----|
| Computer Systems Technology | AAS |
| Technical Support           | OEC |

|   |    |
|---|----|
| <b>Degree</b>                                     |    |
| <b>University of Alaska Fairbanks (Fairbanks)</b> |    |
| Computer Science                                  | BS |
| Computer Science                                  | MS |

|  |     |
|--|-----|
| <b>Degree</b>  |     |
| <b>University of Alaska Southeast, Sitka (Sitka)</b> |     |
| Business Information Systems Support                 | AAS |
| Business Information Systems Support                 | CT2 |

|   |  |
|---|--|
| <b>Degree</b>   |  |
| <b>Vocational Training and Resource Center (Juneau)</b> |  |
| Computer Graphic Artist                                 |  |
| Introduction to Adobe Photoshop                         |  |
| Introduction to Visio Professional                      |  |

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