**Occupation Overview**

Emsi Q4 2017 Data Set

December 2017

California

**Parameters**

**Occupations**

| **Code** | **Description** |
| --- | --- |
| 27-2041 | Music Directors and Composers |
| 27-4014 | Sound Engineering Technicians |
| 27-4011 | Audio and Video Equipment Technicians |
| 27-2042 | Musicians and Singers |
| 15-1132 | Software Developers, Applications |

**Regions**

| **Code** | **Description** |
| --- | --- |
| 6019 | Fresno County, CA |
| 6031 | Kings County, CA |
| 6039 | Madera County, CA |
| 6047 | Merced County, CA |
| 6107 | Tulare County, CA |

**Timeframe**

2017 - 2027

**Datarun**

2017.4 – QCEW Employees, Non-QCEW Employees, and Self-Employed

5 Occupations in 5 California Counties

|  |
| --- |
| **Occupation Summary for 5 Occupations**  |
| **1,736** | **16.8%** | **$25.36/hr** |
| **Jobs (2017)** | **% Change (2017-2027)** | **Median Hourly Earnings** |
| 71% below National average | Nation: 18.5% | Nation: $40.24/hr |
| **Growth** |
| **1,736** | **2,028** | **292** | **16.8%** |
| **2017 Jobs** | **2027 Jobs** | **Change (2017-2027)** | **% Change (2017-2027)** |



| **Occupation** | **2017 Jobs** | **2027 Jobs** | **Change** | **% Change** |
| --- | --- | --- | --- | --- |
| Software Developers, Applications (15-1132) | 579 | 760 | 181 | 31% |
| Music Directors and Composers (27-2041) | 261 | 283 | 22 | 8% |
| Musicians and Singers (27-2042) | 548 | 580 | 32 | 6% |
| Audio and Video Equipment Technicians (27-4011) | 301 | 353 | 52 | 17% |
| Sound Engineering Technicians (27-4014) | 47 | 51 | 4 | 9% |

|  |
| --- |
| **Percentile Earnings** |
| **$17.33/hr** | **$25.36/hr** | **$41.24/hr** |
| **25th Percentile Earnings** | **Median Earnings** | **75th Percentile Earnings** |



| **Occupation** | **25th Percentile Earnings** | **Median Earnings** | **75th Percentile Earnings** |
| --- | --- | --- | --- |
| Software Developers, Applications (15-1132) | $33.71 | $44.72 | $59.47 |
| Music Directors and Composers (27-2041) | $15.06 | $22.90 | $28.63 |
| Musicians and Singers (27-2042) | $15.85 | $18.37 | $29.97 |
| Audio and Video Equipment Technicians (27-4011) | $12.58 | $20.66 | $23.38 |
| Sound Engineering Technicians (27-4014) | $10.55 | $14.15 | $27.47 |
|  **Regional Trends** |



|  | **Region** | **2017 Jobs** | **2027 Jobs** | **Change** | **% Change** |
| --- | --- | --- | --- | --- | --- |
| ● | Region | 1,736 | 2,028 | 292 | 16.8% |
| ● | Fresno, CA | 1,137 | 1,292 | 155 | 13.6% |

|  |
| --- |
| **Regional Breakdown**  |



| **County** | **2027 Jobs** |
| --- | --- |
| Fresno County, CA | 1,292 |
| Tulare County, CA | 358 |
| Merced County, CA | 156 |
| Kings County, CA | 126 |
| Madera County, CA | 96 |
| **Job Postings Summary** |
| **423** | **4 : 1** |
| **Unique Postings (Jan 2017 - Nov 2017)** | **Posting Intensity (Jan 2017 - Nov 2017)** |
| 1,613 Total Postings | Regional Average: 7 : 1 |

There were **1,613** total job postings for your selection from January 2017 to November 2017, of which **423** were unique. These numbers give us a Posting Intensity of **4-to-1**, meaning that for every 4 postings there is 1 unique job posting.This is lower than the Posting Intensity for all other occupations and companies in the region (7-to-1), indicating that they may not be trying as hard to hire for this position.

|  |
| --- |
| **Job Postings vs. Hires** |
| **38** | **69** |
| **Avg. Monthly Postings (Jan 2017 - Nov 2017)** | **Avg. Monthly Hires (Jan 2017 - Nov 2017)** |



| **Occupation** | **Avg Monthly Postings (Jan 2017 - Nov 2017)** | **Avg Monthly Hires (Jan 2017 - Nov 2017)** |
| --- | --- | --- |
| Software Developers, Applications | 32 | 30 |
| Audio and Video Equipment Technicians | 3 | 14 |
| Musicians and Singers | 3 | 14 |
| Sound Engineering Technicians | 0 | 2 |
| Music Directors and Composers | 0 | 9 |
| **Occupation Gender Breakdown** |



|  | **Gender** | **2017 Jobs** | **2017 Percent** |  |
| --- | --- | --- | --- | --- |
| ● | Males | 1,268 | 73.1% |  |
| ● | Females | 467 | 26.9% |  |

|  |
| --- |
| **Occupation Age Breakdown** |



|  | **Age** | **2017 Jobs** | **2017 Percent** |  |
| --- | --- | --- | --- | --- |
| ● | 14-18 | 18 | 1.1% |  |
| ● | 19-24 | 122 | 7.0% |  |
| ● | 25-34 | 452 | 26.0% |  |
| ● | 35-44 | 384 | 22.1% |  |
| ● | 45-54 | 325 | 18.7% |  |
| ● | 55-64 | 257 | 14.8% |  |
| ● | 65+ | 179 | 10.3% |  |
| **Occupation Race/Ethnicity Breakdown** |



|  | **Race/Ethnicity** | **2017 Jobs** | **2017 Percent** |  |
| --- | --- | --- | --- | --- |
| ● | White | 961 | 55.3% |  |
| ● | Asian | 375 | 21.6% |  |
| ● | Hispanic or Latino | 263 | 15.1% |  |
| ● | Black or African American | 91 | 5.3% |  |
| ● | Two or More Races | 41 | 2.4% |  |
| ● | Native Hawaiian or Other Pacific Islander | 3 | 0.2% |  |
| ● | American Indian or Alaska Native | 3 | 0.2% |  |
| **Occupational Programs**  |
| **12** | **315** | **173** |
| **Programs (2016)** | **Completions (2016)** | **Openings (2016)** |
| **CIP Code** | **Program** | **Completions (2016)** |
| 11.0103 | Information Technology | 82 |
| 14.0901 | Computer Engineering, General | 72 |
| 50.0901 | Music, General | 63 |
| 11.0701 | Computer Science | 62 |
| 10.0201 | Photographic and Film/Video Technology/Technician and Assistant | 28 |
| **Industries Employing 5 Occupations** |
| **Industry** | **Occupation Group Jobs in Industry (2017)** | **% of Occupation Group in Industry (2017)** | **% of Total Jobs in Industry (2017)** |
| Religious Organizations | 497 | 28.6% | 7.5% |
| Independent Artists, Writers, and Performers | 139 | 8.0% | 23.0% |
| Elementary and Secondary Schools (Local Government) | 72 | 4.2% | 0.1% |
| Computer Systems Design Services | 53 | 3.1% | 8.5% |
| Custom Computer Programming Services | 52 | 3.0% | 8.1% |

**Appendix A - Data Sources and Calculations**

**Location Quotient**

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

**Occupation Data**

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

**CareerBuilder/Emsi Job Postings**

Job postings are collected from various sources and processed/enriched by Careerbuilder to provide information such as standardized company name, occupation, skills, and geography. Emsi performs additional filtering and processing to improve compatibility with Emsi data.

**Institution Data**

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

**State Data Sources**

This report uses state data from the following agencies: California Labor Market Information Department