

Skyler Schuck

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About Me

Experience in data science, data engineering, and applied economic analysis. A seasoned user in R, SQL, and Python. My research interests include regional analysis and improving rural outcomes. Most of my projects are centered around creating data/information systems and tools to support my research.

Education

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| 2021 – Present | M.S., Agricultural and Resource Economics, Colorado State University Anticipated graduation in Spring 2023, GPA: 3.8 |
| 2017 – 2021 | B.A., Economics, California Lutheran University Magna Cum Laude, GPA: 3.8 |
| 2017 – 2021 | B.S., Computer Information Systems, California Lutheran University Magna Cum Laude, GPA: 3.8 |

Professional Experience

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| 01/2022 – Present Denver, CO | Data Science Intern, City and County of Denver Housed within the Department of Finance, major duties include generating economic analysis, forecasts, and reports for internal and external uses. Internal reports include economic outlook and forecast presentations to the City Council and the Mayor. External facing work includes creating economic indicator dashboards. Daily tasks also include data cleaning, visualization generation, and general consulting with other departments within the city. Primary tools and skills include: R, Python, SQL, Power BI, Visual Basic, ArcGIS, and econometric analysis. |
| 08/2021 – Present Fort Collins, CO | Graduate Research Assistant, Colorado State University Apart of the Regional Economic Development Institute (REDI) at CSU. Generate regional economic analysis for on-going projects and as-needed when requested by City/County/State Agencies. Leading website re-design project for more interactive and engaging experience. Primary tools and skills include: R, Python, SQL, econometric analysis, optimization, and WordPress. |
| 05/2022 – 08/2022 Denver, CO | Data Engineer Intern, Transamerica Working within Life Technology in Technology Services, I worked on data and API engineering projects using AWS(API Gateway, Lambda, DynamoDB, etc.) and Java (REST API) for maintenance and feature creation for the Financial Services Agent's web portal. Other core dependencies include Git, JIRA, and agile development. |
| 03/2021 – 07/2021 Westlake Village, CA | IT Specialist, River Oaks Academy Provided all operational technology support of the Charter School across two campuses including: Computer tech support and maintenance, Student registration: system support and use, Software and hardware support: troubleshooting and installation, GSuite Administration, Website and social media management, Network management (Cisco Meraki), Photo, video & sound editing (Adobe CC). |
| 01/2018 – 04/2021 Thousand Oaks, CA | IT Technician (Student), California Lutheran University Faced the full spectrum of technological challenges at the University, ranging from helping professors in their laboratories and offices as well as providing classroom technology support. This meant quickly assessing challenges, and offering technology solutions in a broad range of time-sensitive situations. Furthermore, given the fluid population and needs of the University, constantly bonding well with new team members and quickly adapting and integrating new skills. |

Publications

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| 12/2021 | Fishers Peak State Park: Evaluating a New Natural Amenity in Southern Colorado, <i>REDI@CSU</i> ↗ The recently christened Fishers Peak State Park offers great potential to give a much-needed boost to the economy of Las Animas County, specifically the town of Trinidad. |
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Skills

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| R <i>Shiny, tidyverse, frrrr</i> | ● ● ● ● ● | Python <i>Pandas, Pystat, Jupyter</i> | ● ● ● ● ● |
| SQL <i>MySQL, NoSQL, PostgreSQL</i> | ● ● ● ● ● | AWS <i>API Gateway, Lambda, DynamoDB</i> | ● ● ● ● ● |
| Dashboarding <i>Power BI, Tableau, AWS Athena</i> | ● ● ● ● ● | Web Development <i>HTML/CSS/JS</i> | ● ● ● ● ● |

Courses

- Optimization Methods,** *Colorado State University*
- Quantitative Methods,** *Colorado State University*
- Applied Econometrics,** *Colorado State University*
- Applied Microeconomic Theory,** *Colorado State University*
- Applied Welfare and Policy Analysis,** *Colorado State University*
- Environmental and Natural Resource Economics,** *Colorado State University*
- Applied Advanced Water Resource Economics,** *Colorado State University*
- Database Management Systems,** *California Lutheran University*
- Data Analysis with R,** *California Lutheran University*
- Software Engineering,** *California Lutheran University*
- Systems Analysis,** *California Lutheran University*
- Information, Systems, and Organizational Design,** *California Lutheran University*