Axel Kent

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WORK EXPERIENCE

U.S Census Bureau   **Aug. 2020 – Present**
Survey Statistician (Remote)
- Developed interactive Shiny apps using R and Python to visualize economic indicators and company performance using data from the Census Bureau and SEC APIs; tools included dynamic comparisons, historical trends, and summary tables.
  - Presented applications to professional audiences across federal agencies, including at the Government Advances in Statistical Programming (GASP) Conference.
- Analyzed Monthly Retail Trade Survey data for accuracy, conducted imputations to address non-response, and communicated directly with survey respondents to clarify data and support participation.
- Gave technical support and presentations to organization's R Users Group.

Math & Statistics Department at California State University, Monterey Bay   **Aug. 2018 – May. 2019**
Instructional Student Assistant (Seaside, CA)
- Graded up to 50 assignments weekly in R Markdown for an applied statistics course. Met with instructors weekly to discuss student comprehension of coursework.

Genomics Institute at University of California, Santa Cruz   **Mar. 2018 – Aug. 2018**
Big Data to Knowledge Scholar (Santa Cruz, CA)
- Funded National Institutes of Health (NIH) researcher in the Genomics Institute's Corbett-Detig Lab. Built a bioinformatic pipeline, using Python, UNIX, and R to study bacterial reproductive manipulators within arthropods.
- Presented findings to the Northern California Computational Biology Conference and the Society for Advancement of Native Americans and Chicanos in Science (SACNAS).
- Received mentorship from a PhD candidate in Biomolecular Engineering and Bioinformatics.

EDUCATION

California State University, Monterey Bay   **May, 2019**
Bachelor of Science, Environmental Science. Statistics minor.
- **GPA: 3.81/4.00** (Minor GPA: 4.00); *Magna Cum Laude*
- Habitat Stewardship Project Volunteer
  - Helped teach K-12 students about the science of their region and the importance of a natural environment on a community's well-being. Worked at events throughout Monterey County to assist with native habitat restoration efforts.
- Capstone Project: Spatial Interpolation Analysis of Grasslands Management Study
  - Used ArcGIS and R to estimate where non-native grasses are throughout Ford Ord National Monument. Presented findings to the Bureau of Land Management - Central Coast Field Office. Project assisted with assessing fire risks in the region.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:**
  - GPS/GIS Certified (Trimble Incorporated; earned through GIS course in university).
  - Program Research Ethics and Compliance Training (Collaborative Institutional Training Initiative)
  - Economic Directorate Data Science Training Program (U.S. Census Bureau)
  - Survey Design Principles (U.S. Census Bureau)
- **Skills:** Public speaking, R
- **Interests:** Sabermetrics, hiking, pickleball, skateboarding