

## **Education**

Reed College, B.A. in Mathematics-Economics, GPA 3.55  
Commendation of Excellence (top 10% of class)  
San Marino High School, GPA 4.65

Class of 2019  
2016, 2017, 2018  
Class of 2015

## **Work History**

Research Associate - NERA Economic Consulting

9/2012 - Present

- Securities and Finance

Research Analyst - The Cadmus Group, Inc.

11/2019 - 9/2020

- I am the primary data analyst evaluating a \$600k+ study designed as an RCT to quantify the impacts of smart thermostat load control events. I also work on forecasting potential energy reduction, demand elasticity modelling, decarbonization, and electric vehicle diffusion through a variety of other projects and praxes.

Data Analyst (Freelance) - Kyrgies.com

10/2019 - 1/2020

- Led a project investigating optimal advertising strategies for an online retailer by supplementing Google Analytics and sales data to perform Geo-spatial analysis, market research, and ultimately lead generation.

Project Intern - Kauffman Wealth Management, Inc.

7/2019 - 10/2019

- Developed an interactive dashboard to help financial advisors navigate bear markets and contextualize historical data using Shiny, a web application package for R

Teaching Assistant & Tutor - Reed College

8/2016 - 5/2019

- Motivate problem solving and evaluate coursework for Probability, Statistics, Linear Algebra, and Economics; Coding support for R; Large review classes and tutoring

Compliance Officer - Plaid Pantry

8/2018 - 1/2019

- Ensured Oregon Liquor Control Commission compliance over 105 retail locations; Design and Implement company-wide compliance policies.

Systems Administrator - IRN Realty

6/2013 - 7/2015

- Oversaw all IT systems across two locations; LAN/WAN/NOC/NAS Administration; Coordinate business-wide IT projects and a team of up to 6 people; Manage 100+ workstations, network infrastructure, servers, MFPs, and PBX phone systems; Managed VPNs Network protocols; Design and Installation of multi-room speaker/projection system; Large/One-on-one technology instruction catered to realtors; New-hire training

## **Skills & Abilities**

Statistical Programming and Data Analysis

R (A - tidyverse, rvest, Shiny), Stata (A), SAS (A - SQL), Octave (I - Machine Learning), Hue, Apache Hive/Impala (I), Dynare (B - DSGE Modelling), Python (B)

Office Suites & Typesetting

MS Office (A - MS Excel Relational Databases, Powerpivot, vlookup), G Suite, LaTeX

IT Administrative

Microsoft Server, Symantec Deep Freeze, Norton Ghost, Clonezilla

## **Grants & Thesis**

- The American College of Obstetricians & Gynecologists (ACOG) Grant Awarded Sept. 2018
- Compiled database to streamline communication between ACOG administration and district IX hospitals
- Senior Thesis: “Domestic Remittance in China: Rural—Urban Migration’s Trail of Inequality” May 2019
- Research through Chinese Institute of Income Distribution, Beijing Normal University. Advised by Heather Kitada, PhD and Nicholas Wilson, PhD

## **Relevant Projects & Coursework**

- Markov Chain Monte Carlo (MCMC) Metropolis-Hastings Algorithms for Bayesian Estimation May 2018
- Gibbs Samplers to Address The Change-point Problem May 2018
- Presentation: “TPP in Reality: Inequality and Labor Force Regulations” May 2018