

## Education

**University of California, San Diego**

*B.S. Mathematics and Economics; GPA:3.54*

San Diego, CA

*Dec 2015*

## Academic Experience

### • Policy Evaluation

San Diego, CA

*Research Assistant to Prof. Prashant Bharadwaj*

*Jun 2015 – Dec 2015*

- Evaluated effectiveness of the Indian Protection of Women Against Domestic Violence Act (PWADVA) of 2005 in increasing reporting of crimes against women by geographical region
- Identified correlations between the effect of the PWADVA and male child preference by geographical region
- Responsible for data collection and aggregating crime data sets from the Indian National Crime Record Bureau
- Utilized Matlab and Stata to analyze trends in reported crimes against women before/after law implementation

### • Policy Evaluation

San Diego, CA

*Research Assistant to Prof. Prashant Bharadwaj*

*Jan 2015 – Jun 2015*

- Evaluated effectiveness of the Indian Dowry Prohibition Act (DPA) of 1961 in increasing investment in girls
- Implemented difference in differences evaluation method to estimate change in investment before/after DPA
- Utilized age at first marriage and education of women as a measure of investment
- Wrote technical report and presented research at Faculty Mentor Program Research Symposium

## Professional Experience

### • Catalytic Risk Managers & Insurance Agency, LLC

San Diego, CA

*Business Analyst*

*Nov 2015-Present*

- Mine large datasets using SQL programming
- Design and implement innovative solutions to address operational inefficiencies
- Develop and automate reports using SQL databases and SQL Server Reporting Services (SSRS)

### • University of California, San Diego

San Diego, CA

*Section Editor: Undergraduate Research Journal at UCSD*

*May 2015 – Dec 2015*

- Physical Sciences Section Editor at the interdisciplinary research journal
- Reviewed journal submissions and conducted interviews with various professors on their research
- Published interview with Prof. Harel on his research on the DNR framework for learning/teaching mathematics

### • Workplace Technologies Research, Inc.

San Diego, CA

*Economics Research Assistant*

*Oct 2014 – Jun 2015*

- Assigned to NSF funded project developing a virtual world platform which simulated a global economy
- Collaborated in modeling a pharmaceutical company within the global economy
- Conducted pharmaceutical market research and forecasted financial earnings based on supply and demand

## Relevant Course Work

*Introduction to Analysis I, Discrete Math and Graph Theory, Ordinary Differential Equations, Mathematical Reasoning, Multivariate Calculus, Applied Linear Algebra, Combinatorial Game Theory, Numerical Analysis, Decisions Under Uncertainty, Econometrics, Economic Development, Labor Economics, Microeconomics, Macroeconomics*

## Skills and Activities

MATLAB, Stata, SQL, SSRS, LaTeX, Russian, Serbian

## Honors and Activities

Regents Scholarship for Academic Excellence, UCSD, 2013-2015

Provost Honors, UCSD, 2014-2015

Scholars Society, UCSD, 2015

Highest Honors, SDCCD, 2013

Certificate for Excellence in the Presentation of Research, Faculty Mentor Program Research Symposium, UCSD, 2015