

# Zhenshan Chen | CV

250 Drillfield Dr., Hutcheson Hall – Blacksburg, 24060 – VA

☎ +1 (860) 465 6776 • ✉ zhenshanchen@vt.edu  
<https://sites.google.com/uconn.edu/zhenshanchen>

## Fields of Concentration

---

**Primary:** Nonmarket Valuation, Policy Evaluation, Climate Change, Fishery

**Secondary:** Land Use, Choice Modeling, Applied Microeconometrics

## Education

---

**Dept. of Agricultural and Resource Economics, UConn** **Storrs**  
*Ph.D.* *Sept.2015–Aug.2021*

Major in Agricultural and Environmental Economics,GPA:3.88

**Dept. of Agricultural and Resource Economics, UConn** **Storrs**  
*M.S.* *Jan.2014–Feb.2015*

Major in Agricultural and Environmental Economics,GPA:3.92

**Dept. of Economics, Ocean University of China** **Qingdao**  
*M.S.* *Sept.2012–June.2014*

Majored in Economics,GPA:91

**Dept. of Physics and Engineering, Sun Yat-sen University** **Guangzhou**  
*B.S.* *Sept.2007–June2011*

Majored in Physics

## Professional Experience

---

**Dept. of Agricultural and Applied Economics, Virginia Tech** **Blacksburg**  
*Assistant Professor* *Aug.2022–present*

**Dept. of Agricultural Economics, Mississippi State University** **Starkville**  
*Postdoctoral Associate* *Aug.2021–July 2022*

## Publication

---

"The Influence of Projected Outcomes on Preferences over Alternative Regulations: Evidence from a Recreational Fishery." **Zhenshan Chen**, Pengfei Liu, Eric Schultz, Jacob Kasper, Stephen Swallow. *Land Economics*, forthcoming.

"Weather, Cropland Expansion, and Deforestation in Ethiopia." Xi He and **Zhenshan Chen**. *Journal of Environmental Economics and Management*, Volumn 111 (2022)

"Recreational Home Owners' Impact on Agricultural Land Use." Charles Towe and **Zhenshan Chen**. *Land Economics*, forthcoming.

"Nonparticipation and Heterogeneity in Stated Preference: A Double Hurdle Latent Class

Approach for Climate Change Adaptation Plans and Ecosystem Services" **Zhenshan Chen**, Stephen Swallow, and Ian Yue. *Environmental and Resource Economics*, Volume 77, 35–67 (2020).

## Working papers

---

"Flood Zone in the Coastal Housing Market - A Risk Signal or Mandatory Costs?" *under review*

**Abstract** In the face of rising flood risk, assessing the risk belief associated with the flood maps is important for climate-change-related policy-making. Aggregating a high-quality dataset for coastal Connecticut and addressing many empirical problems, this paper shows an average housing price flood zone discount of around 3 percent. The discounts are more sizable after Hurricane Irene and for low-end properties. Robust evidence suggests that the mandatory upfront insurance costs are likely the main driver of the discounts, while little evidence shows home buyers consistently capitalize flood zone itself as a flood risk signal on a long-term basis.

"Contingent Valuation with Voluntary Contributions" *Major Revision at Journal of the Association of Environmental and Resource Economists (with Stephen Swallow)*

**Abstract** We introduce an approach to modeling a dichotomous choice contingent valuation with voluntary contributions as the payment vehicle. Integrating nonparticipation, free riding, and warm glow factors in an expected utility framework, the approach recovers the compensating variation of the underlying public good. The framework clarifies the difference between willingness to donate and willingness to pay and enables the estimation of both. Monte Carlo results suggest the proposed approach reliably recovers the willingness to pay measures with only moderate bias. Empirical applications confirm the theoretical predictions that the average willingness to donate is considerably lower than the willingness to pay when the warm glow effect is small. Providing the basis of donation serving as a value elicitation tool, this study potentially opens a novel area for future research valuing public goods.

"The Influence of Platform Endorsement in Crowdfunding Industry: Evidence from Kickstarter Campaigns" *(with Pengfei Liu)*

"Estimating Noncompliance Behaviors in Recreational Fishery: Evidence from a Randomized List Experiment using GMM Approach" *(with Pengfei Liu, Eric Schultz, Jacob Kasper, Stephen Swallow, Yonghong An)*

## Work in Progress

---

"Sorting over the Dual Risk of Coastal Housing Market - Who Surfs the Tide, Who Bears the Blunt?" *with Charles Towe*

**Abstract** Rising flood risk and price risk coexist in the coastal housing market, where the dual risk is not usually jointly studied and individual locational decisions are largely not well understood. We extend and modify a recently introduced dynamic sorting model to investigate the heterogeneous preference on flood risk indicators and ocean amenities. The marginal willingness to pay estimates suggest the preference and decision patterns are different for newcomers and incumbents, and different across wealth levels and racial groups. Policy simulations based on this framework show how future coastal policies and natural changes affect the aggregate housing demand and composition in coastal communities.

"The Housing Market Impacts of Noise Pollution: Evidence from a Natural Experiment" *with*

Michele Baggio and Charles Towe

"The Effect of Raising and FEMA Compliance on Housing Prices" *with Nancy Bockstael and Charles Towe*

## Teaching

---

<b>AAEC5824 Environmental Economics</b>	<b>Fall 2022</b>
<i>Department of Agricultural and Resource Economics, Virginia Tech</i>	<i>Aug. 2022-Dec. 2022</i>
<b>EEC535 Environmental Economics, TE: 4.3</b>	<b>Spring 2021</b>
<i>College of Environmental and Life Sciences, University of Rhode Island</i>	<i>Jan. 2021-May. 2021</i>

## Grants

---

<b>Connecticut Sea Grant College Program (Funded)</b>	<b>USD 150,000</b>
<i>Leading draft, PI: Pengfei Liu Co-PI: Eric Schultz Stephen Swallow</i>	<i>2/1/2018-1/31/2020</i>
<i>"Bio-economic Outcomes under Alternative Management Strategies with Human Choice and Behavior"</i>	
<b>Connecticut Sea Grant Development Award (Funded)</b>	<b>USD 2,500</b>
<i>PI, Leading draft, PI: Zhenshan Chen Co-PI: Eric Schultz Stephen Swallow</i>	<i>12/1/2020-</i>
<i>"Effect of a Pandemic on Long Island Sound Anglers' Practices and Views"</i>	

## Ongoing Projects

---

**"Building Resilience for Oysters, Blue Crab, and Spotted Seatrout to Environmental Variability"**  
*with Seong Yun and Daniel Petrolia, The Valuation Component*  
A NOAA project

**"Real estate values, tax revenues, and climate change-induced retreat"**  
*with Stephen Swallow, Charles Towe, and Nancy Bockstael*  
A CIRCA Project

**"Bio-economic Outcomes under Alternative Management Strategies with Human Choice"**  
*with Pengfei Liu, Eric Schultz, Stephen Swallow*  
Connecticut Sea Grant College Program

## Presentations

---

<b>SAEA Conference, New Orleans, LA</b>	<b>Oral</b>
<i>"Flood Zone in the Coastal Housing Market"</i>	<i>Feb 2022</i>
<b>MSstate AgEcon Seminar, Starkville, MS</b>	<b>Oral</b>
<i>"Accessing the Coastal Flood Risk Effect - Quasi-experiment vs. Sorting"</i>	<i>Oct 2021</i>
<b>AAEA Conference</b>	<b>Oral</b>
<i>"Sorting over the Dual Risk of Coastal Housing Market"</i>	<i>Aug 2021</i>
<b>AERE Virtual Conference</b>	<b>Oral</b>
<i>"Sorting over the Dual Risk of Coastal Housing Market"</i>	<i>June 2021</i>
<b>URI ENRE Seminar, Kingston, RI</b>	<b>Oral</b>
<i>"Accessing the Coastal Flood Risk Effect - Quasi-experiment vs. Sorting"</i>	<i>Feb 2021</i>

<b>AAEA Virtual Conference</b> <i>"How Does the Coastal Housing Market View Flood zone?"</i>	<b>Oral</b> Aug 2020
<b>NAERE Virtual Conference</b> <i>"How Does the Coastal Housing Market View Flood Zone?"</i>	<b>Oral</b> June 2020
<b>AERE Virtual Conference</b> <i>"How Does the Coastal Housing Market View Flood Zone?"</i>	<b>Oral</b> June 2020
<b>AERE Virtual Conference</b> <i>"Anglers' Preference under Alternative Management Strategies"</i>	<b>Oral</b> June 2020
<b>UCONN WFCC Megalab Meeting, Storrs, CT</b> <i>"Anglers' Preference under Alternative Management Strategies"</i>	<b>Oral</b> Feb 2020
<b>SocioEconomic Aspects in Stock Assessments Workshop, New Orleans, LA</b> <i>"Anglers' Preference under Alternative Management Strategies"</i>	<b>Oral</b> Feb 2020
<b>Graduate Research Forum, CAHNR, UConn</b> <i>"Recreational Homes' Impact on Agricultural Land Use"</i>	<b>Oral</b> April 2019
<b>AAEA Meeting, Washington D.C.</b> <i>"Learning the Flood Risk"</i>	<b>Poster</b> Aug 2018
<b>NAREA Annual Meeting, Philadelphia, PA</b> <i>"How does SNAP Affect Diet Quality?"</i>	<b>Oral</b> June 2018
<b>12th CT Conference on Natural Resources, Storrs, CT</b> <i>"Climate Change-induced Retreat from Flood Zones and Real Estate Values"</i>	<b>Oral</b> March 2018
<b>Agricultural and Applied Economics Association Meeting, Chicago, IL</b> <i>"What Drives Household Healthy Food Choices? Evidence from FoodAPS"</i>	<b>Poster</b> August 2017
<b>Graduate Research Forum, CAHNR, UConn</b> <i>"Recreational Home Owners' Impact on Agricultural Land Use"</i>	<b>Poster</b> March 2017
<b>Agricultural and Applied Economics Association Meeting, Boston, MA</b> <i>"Secondhome Owners' Impact on Agricultural Land Use"</i>	<b>Poster</b> July 2016

## Referee Service

---

PLOS ONE

Journal of Environmental Economics and Management

Marine Resource Economics

Environmental and Resource Economics

## Other Experience

---

**Shenwan Hongyuan Securities Ltd**

*Internship*

Assistant in issuing enterprise bonds, due diligence investigation, and paper work

**Beijing/Shandong**

*May.2015–Aug.2015*

**Key Lab of Display Material and Technology in Guangdong**  
*Undergrad Research Assistant*  
Experiments on growing display materials

**Guangzhou**  
*Sept.2009–Nov.2011*

## **Software**

---

**Proficient:** Stata, ArcGIS, Python, R (Github sample: [github.com/Zhenshanchen/CIRCA](https://github.com/Zhenshanchen/CIRCA))

**Other:** L<sup>A</sup>T<sub>E</sub>X, Qualtrics, Google Earth Engine, Matlab, Netlogo

## **Scholarships and Awards**

---

**Fall 2020:** Doctoral Dissertation Fellowship, Graduate School, UConn

**Spring 2020:** Predoctoral Fellowship, ARE, UConn

**Fall 2019:** Nathan Koenig AG/EC Student Fund Award, ARE, UConn

**Spring 2018:** Nathan Koenig AG/EC Scholarship, ARE, UConn

**2017:** Outstanding Poster Presentation, Graduate Student Research Forum, CAHNR, UConn

**Fall 2017:** Nathan Koenig AG/EC Scholarship, ARE, UConn

**2017:** Predoctoral Fellowship, Graduate School, UConn

**Spring 2017:** Nathan Koenig AG/EC Scholarship, ARE, UConn

**2016:** Paul Putnam Travel Award, ARE, UConn

**2016:** Stewart Johnson Scholarship, ARE, UConn

**2013:** Academic Scholarship, Ocean University of China

**2011:** Outstanding Undergraduate Dissertation, Sun Yat-sen University