**Employment**

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|  | 2015 – present | **Albion College**,*Albion, MI*  *Assistant Professor* |
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|  | 2019 – present | **Keystone Strategy**,  *Remote*  *Consultant*  Market analysis, data analysis of paid and organic traffic for large tech company;  Transfer pricing litigation support, data analysis for large tech company |
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|  | 2007-2008 | **Boston Consulting Group**, *London, UK*  *Junior Consultant*  Valuation of Private Equity acquisition targets; Led team to create new dataset to quantify industry specific risks; Evaluated marketing function for board of directors at large bank |
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|  | 2006 | **Bain & Co**, *Dallas, TX*  *Associate Consulting Intern*  Analyzed strategic and financial impact of divesting a large division of oil and gas company |

**Education**

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|  | 2015 | **University of Michigan**,  *Ann Arbor, MI*  PhD Economics |
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|  | 2007 | **Rice University**,  *Houston, TX*  BA Economics  BS Mechanical Engineering |

**Technical Skills**

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|  |  | **Statistics and Data Science**  STATA: Econometric studies of crime, social security, agricultural prices, consumer financial data  Python: Keras DNN predicting agricultural prices, causal inference with event study of internet traffic  MATLAB: coding implementations of gradient descent algorithms for Neural Network  **Operating Systems, Programming, Data Visualization and Communication**  LaTeX, Windows, Linux, Python, SQL, Microsoft Office: Excel, Power Point, Word |

**Research Interests**

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|  |  | Public Finance, Applied Microeconomics, Taxation, Nonlinear Pricing, Multidimensional Screening |

**Working Papers**

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|  |  | “The Case for Subsidizing Harm: Second-best Pigouvian Taxation with Multiple Externalities” (with Daniel Schaffa) A previous draft was circulated under the title: “Pigouvian Taxation with Multiple Externalities and Costly Administration” (under review International Tax and Public Finance) |
|  |  | “Labor Economics for Physicians” (with Breanne Jaqua and Zach Jarou) |
|  |  | “Occupational Licensing with Market Concentration: The Market for Emergency Medicine Physicians” |
|  |  | “Using Substitution and Income Eﬀects to Deﬁne Deterrence and Incapacitation” (with Daniel Schaffa) |
|  |  | “How to Select the Correct Discount Rates for Public Policy” |
|  |  | “Apples to Apples; Data on Variety Competition and New Product Entry in the US Apple Market” (with John Butler) |
|  |  | “The Principal Agent Problem in Corporate Tax Preparation” |
|  |  | “How to Catch Capone: The Optimal Punishment of Interrelated Crimes” (with Daniel Schaffa) |
|  |  | “Should the Audit Rule be Public? |

**Invited Presentations and Conferences**

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|  |  | *Using Substitution and Income Eﬀects to Deﬁne Deterrence and Incapacitation* Meeting of the Canadian Law and Economics Association, 2019  *Voting on Taxation and the Down’s Paradox* University of Richmond, 2018  *Discussant*, Conference on Empirical Legal Studies University of Michigan, 2018  *Voting on Taxation and the Down’s Paradox* University of Richmond, 2017  *Pigouvian Taxation with Multiple Externalities and Costly Administration* National Tax Association’s Annual Conference on Taxation, 2017  *Pigouvian Taxation with Multiple Externalities and Costly Administration* International Institute of Public Finance Conference on Taxation, 2016  *Pigouvian Taxation with Multiple Externalities and Costly Administration* National Tax Association’s Annual Conference on Taxation, 2016  *How to Catch Capone: The Optimal Punishment of Interrelated Crimes* University of Michigan, 2015 |

**Teaching**

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|  | **Albion College** |  |
|  | Fall 2019 | Intermediate Microeconomics, 201  Econometrics, 300  Financial Modeling with Excel, 248 |
|  | Spring 2019 | Intermediate Microeconomics, 201  Financial Modeling with Excel, 248  Directed Study: Data Science |
|  | Fall 2018 | Intermediate Microeconomics, 201  Financial Modeling with Excel, 248  Directed Study: Data Science |
|  | Spring 2018 | Intermediate Microeconomics, 230  Financial Modeling with Excel, 248  Intermediate Economics with Calculus, 231 |
|  | Fall 2017 | Principals of Microeconomics, 101  Econometrics, 379 |
|  | Spring 2017 | Principals of Microeconomics, 101  Intermediate Microeconomics, 230  Directed Study: Econometrics |
|  | Fall 2016 | Principals of Microeconomics, 101  Intermediate Microeconomics, 230  Directed Study: Advanced Game Theory |
|  | Spring 2016 | Principals of Microeconomics, 101  Intermediate Microeconomics, 230  Directed Study: Entrepreneurship |
|  | Fall 2015 | Principals of Microeconomics, 101  Intermediate Microeconomics, 230 |
|  | **University of Michigan** |  |
|  | Winter 2015 | International Economics, 340 GSI |
|  | Fall 2014 | Writing about Economics, English 125 Instructor of record |
|  | Fall 2013 | Advanced Game Theory, 617 GSI Departmental teaching award |
|  | Winter 2013 | Intermediate Microeconomic Theory, 401 Head GSI |
|  | Fall 2012 | Intermediate Microeconomic Theory, 401 Head GSI |
|  | Winter 2012 | Intermediate Microeconomic Theory, 401 Head GSI |
|  | Fall 2011 | Intermediate Microeconomic Theory, 401 GSI |
|  | Winter 2011 | Intermediate Microeconomic Theory, 401 GSI |
|  | Fall 2011 | European Economy, 453 GSI |

**Advising and Mentoring**

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|  |  | *Small Liberal Arts College Budgeting, Resource Allocation, and Student Perceptions*, Honors Thesis, Alec Palmer, 2019-2020  *Untitled – Real Estate*, Honors Thesis, Chase Palmer, 2019-2020  *Green Nudges: Applying Behavioral Economics to Promote Pro-Environmental Behaviors*, Honors Thesis, Philip Manning, 2018-2019  *Context-Sensitivity and the Liar Paradox*, Honors Thesis, Samuel Raseman, 2018-2019  *Social Security and Retirement Behavior*, Honors Thesis, Laura Newbury, 2017-2018 *Ramsey Theory: Graph Theory Edition*, Honors Thesis, Henry Carnick, 2017-2018 Faculty Advisor to the Investment Club 2017  Advisor, Foundation for Undergraduate Research, Scholarship, and Creative Activity, 2016  Faculty Advisor to the Student Senate, 2016-2018 |

**Other Service**

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|  |  | Albion College Representative, GLCA Academic Council 2017-2019  Secretary, Albion Budgets Salaries and Beneﬁts Committee 2017-2019  Member, Albion strategic plan working group 2018-2019  Member, Albion reaccreditation working group on ﬁnancial resources 2018-2019 |

**Interests**

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|  |  | Soccer, Fly Fishing, Backpacking |