

# BRIAN HESEUNG KIM

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## EDUCATION

- University of Virginia** – Charlottesville, VA Expected 2022
- **Ph.D.** in Education Policy at the Curry School of Education with Professor Benjamin L. Castleman
- University of Virginia** – Charlottesville, VA 2019
- **M.P.P.** from the Frank Batten School of Leadership and Public Policy
- Bowdoin College** – Brunswick, ME 2013
- **B.A.** in English and Economics with Teaching and Music Minors
  - Maine State Teacher Certification in English and Social Studies
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## RESEARCH INTERESTS

### Education Policy

- Postsecondary access and success, community college labor market outcomes, educational equity

### Data Science

- Intersection of data science and policy research, ethical application of predictive analytics/machine learning methods to educational contexts, natural language processing techniques for scalable text analytics

### Economics

- Labor market matching and outcomes, socioeconomic mobility, returns to individual educational investments, behavioral/informational nudges, game theoretic decision-making frameworks
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## RESEARCH EXPERIENCE

**University of Virginia Curry School of Education** – Charlottesville, VA 2017 – Present  
*Graduate Research Assistant, EdPolicyWorks and Nudge<sup>4</sup> Solutions Lab*

Current research projects:

- Examining systemic racial and gender bias in teacher recommendation letters for college applications using natural language processing techniques
- Analyzing socioeconomic inequalities in the labor market outcomes of community college graduates
- Addressing disparities in career advising and support among community college graduates through a data-driven job recommendation engine
- Re-contextualizing the efficacy of nudge-style texting interventions with rich interaction data
- Leveraging text analytics to identify trends in effective school leader coaching practices
- Using GIS data to identify “education deserts” in developing countries

## Primary research projects:

- Implementing modern visualization techniques to improve the accessibility and utility of ESSA-mandated school accountability dashboards
- Investigating new metrics to better understand racial equity in education throughout Virginia

## ACADEMIC PRESENTATIONS

Rodriguez-Segura, D., **Kim, B.H.** (scheduled 2020, March). *Traversing the Last Mile in School Enrollment: Using GIS Data to Identify Education Deserts in Developing Countries*. Paper presentation at 11<sup>th</sup> Annual Curry Research Conference, Charlottesville, VA. [Manuscript in preparation]

**Kim, B.H.**, Castleman, B.L., Bird, K.A. (scheduled 2020, March). *Crossing the Finish Line but Losing the Race: Socioeconomic Inequalities in Labor Market Trajectories Among Community College Graduates*. Paper presentation at 45<sup>th</sup> Annual Conference of Association of Education Finance and Policy, Fort Worth, TX. [Manuscript in preparation]

Finnegan, C., **Kim, B.H.**, Wong, V.C., Wright, B. (2019, November). *Data & Education*. Invited panel discussion at 5<sup>th</sup> Annual University of Virginia School of Data Science Datapalooza, Charlottesville, VA.

Castleman, B.L., Bird, K.A., **Kim, B.H.** (2019, March). *Pathways to Success: Analyzing Program-level Heterogeneity in Broad Labor Market Outcomes for a State Community College System*. Paper presentation at 44<sup>th</sup> Annual Conference of Association of Education Finance and Policy, Kansas City, MO. [Working paper available upon request]

## TEACHING EXPERIENCE

## University of Virginia – Charlottesville, VA

- (Graduate) Data Science for Public Policy Leaders, *Co-instructor and Co-developer* – Survey course on emerging data science applications in public policy and social sciences research, alongside discussions of related ethical considerations Approved, 2021
- (Graduate) Public Interest Data Lab, *Project Advisor* – Introductory data science methods course for conducting community-based public interest research 2020
- (Graduate) Data Management for Social Science Research, *Co-instructor* – Introductory data management and statistical analysis [[Teaching Evaluations](#)] 2019
- (Workshop) Graduate School Admissions for First-Gen Students, *Facilitator* 2019
- (Workshop) Summer Undergraduate Research Program: Introduction to Data Visualization, *Instructor* 2019
- (Workshop) Summer Undergraduate Research Program: Introduction to R, *Instructor* 2018, 2019
- (Workshop) EdPolicyWorks Graduate Student Methods Workshop: Introduction to Web Scraping, *Co-instructor* 2018

**Yarmouth High School** – Yarmouth, ME

*Lead Teacher* [[Teaching Evaluations](#)]

- (K-12) 9<sup>th</sup> Grade English Language Arts 2014 – 2017
- (K-12) 11<sup>th</sup> Grade Non-Fiction and Rhetoric 2014 – 2017

**Johns Hopkins Center for Talented Youth** – Lancaster, PA

*Instructor* [[Teaching Evaluations](#)]

- (K-12) Probability and Game Theory – Summer enrichment course for gifted and talented students on economic game theory and applied probability 2015 – 2016

**Bowdoin College** – Brunswick, ME

*Teaching Assistant*

- (Undergraduate) Economics of Information – Introductory course on game theory and behavioral economics 2014

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**AWARDS, FELLOWSHIPS, & HONORS**

**University of Virginia Curry School of Education** – Charlottesville, VA

- Virginia Education Sciences Training (VEST) IES Pre-Doctoral Fellowship 2017 – Present
- Dean’s Travel Fellowship 2019, 2020
- Member of Pi Alpha Alpha Honor Society for Public Affairs & Administration 2018

**American Enterprise Institute** – Washington, DC

- Member of Education Policy Academy graduate student cohort 2019

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**COMMUNITY AND PROFESSIONAL SERVICE**

**Manuscript Reviewer** – Various

- *Economics of Education Review* 2019 – Present

**University of Virginia Curry School of Education** – Charlottesville, VA

- Curry Student Travel Fund Committee Co-chair 2019 – Present
- EdPolicyWorks Graduate Student Office and Community Coordinator 2018 – Present
- EdPolicyWorks Graduate Student Methods Workshop Coordinator 2018 – Present
- Curry Research Conference Student Referee 2017 – Present
- Curry Common Read EdPolicyWorks Discussion Co-facilitator 2020
- Summer Undergraduate Research Program Student Mentor 2018

**University of Virginia Frank Batten School of Leadership and Public Policy** – Charlottesville, VA

- Batten Diversity and Inclusion Board, Student Member 2018 – 2019
- Virginia Policy Review, Associate Editor and Website Administrator 2017 – 2018

**Bowdoin College** – Brunswick, ME

- Regional Admissions Volunteer Organization, Regional Student Interviewer 2017 – Present
- Bowdoin College Alumni Fund, Class Fundraising Agent 2013 – Present

**FairVote Virginia** – Charlottesville, VA

- Campaign and Media Volunteer 2017 – 2019

**Yarmouth High School** – Yarmouth, ME

- School Faculty Leadership Team Member 2016 – 2017
- 9<sup>th</sup> Grade Faculty Leader 2016 – 2017

**SKILLS AND PROFICIENCIES**

- Advanced ●●● Can instruct and supervise others
- Intermediate ●●○ Can complete most tasks independently
- Basic ●○○ Can complete most tasks with supervision

**Data Management and Analysis**

- D3.js ●●○
- Data Visualization ●●●
- GitHub ●●○
- High-Performance Computing ●○○
- Jupyter Notebook ●●○
- Microsoft Access ●○○
- Microsoft Excel ●●●
- Predictive Analytics ●●○
- Python ●○○
- QGIS ●●○
- Qualtrics ●●○
- R / RStudio ●●○
- R Shiny ●○○
- SQL ●○○
- Stata ●●●
- Tableau ●●○
- Text Analytics (NLP) ●●○
- Unix / Bash ●○○
- Web Scraping ●●○

**Content Creation and Publishing**

- Adobe Illustrator ●○○
- Adobe Lightroom ●○○
- Adobe Photoshop ●●●
- Amazon Kindle Publishing ●●○
- Apple Logic Pro Audio Suite ●●○
- HTML / CSS ●●○
- JavaScript ●○○
- LaTeX ●○○
- Sony Vegas Video Editor ●●○
- WordPress ●●●
- YouTube Publishing ●○○

**PROFESSIONAL AFFILIATIONS**

- Association for Education Finance and Policy (AEFP)
- Association for Public Policy Analysis and Management (APPAM)
- Society for Research on Educational Effectiveness (SREE)