Joseph C. **Knittel**

Aspiring Actuary · Data Science Enthusiast

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Actuarial Exams

SOA Exam LTAM	Sitting (10/2021)	**SOA Exam PA**	Pending (06/2021)	**SOA Exam STAM**	Passed (02/2021)
SOA Exam SRM	Passed (09/2020)	**SOA Exam IFM**	Passed (07/2020)	**SOA Exam FM**	Passed (04/2019)
SOA Exam P	Passed (03/2015)				

Education

Pennsylvania State University *University Park, PA*

B.S. Mathematics *08/2005 – 05/2009*

- Coursework spanning a broad range of fields, with applications in the natural and social sciences

Work Experience

Concierge *40 Bond St., New York, NY*

Brown Harris Stevens *10/2018 – 06/2020*

- Tended to the unique requests of each of the building's tenants and guests with the utmost care and courteousness
- Liaised with in-house employees and contractors in order to optimize operations within the building
- Upheld the building's strict security policy by monitoring closely the happenings on and nearby the premises

Mathematics Tutor *New York, NY*

Self-Employed *09/2014 – 05/2019*

- Helped nearly 100 students of all ages and backgrounds better understand topics from algebra to complex analysis
- Created student-specific quizzes, exams, and assorted study materials to aid in clients' preparation for course assessments
- Identified flaws in students' approach to knowledge acquisition and devised new strategies to be put into action

Volunteer Teacher *Ohalushu, Namibia, Africa*

United States Peace Corps *08/2010 – 12/2012*

- Developed mathematics, physical science, and information science curricula and taught the material to over 300 students
- Regularly attended events hosted in the village and worked with community leaders to facilitate cross-cultural exchange
- Spearheaded the construction of a computer lab at the school, and, in doing so, brought internet access to the community

Research Assistant *University Park, PA*

Laboratory for Cognition and Action *09/2007 – 11/2009*

- Led a team of four undergraduates in carrying out an experiment regarding "Risk-Taking in Perceptual-Motor Control"
- Implemented, with slight guidance from the lab director, MATLAB code for the application used during the experiment
- Submitted an article summarizing the findings of the experiment to the journal *Psychonomic Bulletin and Review*

Computer Technician (Intern) *Bridgewater, NJ*

HSBC Corp. *05/2007 – 09/2007*

- Fixed a diverse array of software and hardware issues confronted by over 120 employees throughout the office
- Took part in planning and executing a site-wide operating system conversion from Windows XP to Windows Vista
- Wrote MS-DOS batch files to automate code execution and run diagnostics on users' machines

Software

Data Science	R (*tidyverse*, *tidymodels*, *shiny*, *.rmd*), Python (*scikit-learn*, *fastai*, *.ipynb*), MS Excel (*pivot tables*), VBA, SQL, MATLAB
Web Development	HTML5, CSS3, JavaScript
General Productivity	MS Word, MS PowerPoint, Google Docs, Markdown, Adobe Photoshop, LaTeX, GitHub