

Jacob VanDrunen

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Education

***Ph.D.** Logic and Philosophy of Science. *University of California, Irvine*. 2020 – .

***M.A.** Philosophy. *University of California, Irvine*. 2020 – 2023.

B.S. Computer Science / Intelligent Systems. *University of California, Irvine*. 2016 – 2020.
Phi Beta Kappa. Cum laude. Computer Science + Campuswide Honors.

Publications

- (3) **VanDrunen, J.**, Nam, K., Beers, M., and Pizlo, Z. "Traveling Salesperson Problem with simple obstacles." *Computational Brain and Behavior* (2022).
- (2) Herrmann, D. A. and **VanDrunen, J.** "Sifting the signal from the noise." Forthcoming in *British Journal for the Philosophy of Science*.
- (1) Barrett, J. A. and **VanDrunen, J.** "Language games and the emergence of discourse." *Synthese* 200, 159 (2022).

Patent Publications

- (1) Buibas, M., Quinn, J., Bapst, A., Khorsandi, R., Shah, N., **VanDrunen, J.**, Wildie, M., and Yousefisahi, S. "System that Performs Selective Manual Review of Shopping Carts in an Automated Store." US20210158430A1

Conferences

- (3) **VanDrunen, J.** and Herrmann, D. A. "Naturalizing natural salience." *Philosophy of Science Association*, November 2022.
- (2) Herrmann, D. A. and **VanDrunen, J.** "Sifting the signal from the noise" (workshop paper). *Emergent Communication Workshop at ICLR 2022*, April 2022.
- (1) **VanDrunen, J.** and Pizlo, Z. "The effectiveness of Multidimensional Scaling in TSPs whose metric is not Euclidean" (poster). *Society for Mathematical Psychology*, July 2019.

Fellowships and Grants

- (2) Social Science Merit Fellowship. *University of California, Irvine*. 2020-2026.
- (1) Regents' Scholarship. *University of California, Irvine*. 2016-2020.

Industry Experience

Science Intern. *Accel Robotics Corp.* June 2020 – September 2020.

Software Engineering Intern. *Accel Robotics Corp.* July 2017 – September 2018.

Teaching

Critical Reasoning (TA)
Formal Logic (TA)
Critical Issues in the Social Sciences (TA; 4x)

Coursework Taken for Credit (Graduate or Equivalent)

Set Theory (Meadows)
Metalogic (Wehmeier)
Incompleteness (Meadows)

Kant's First Critique (Heis)
Space and Geometry (Heis)
American Pragmatism (Barrett)

Philosophy of Science Foundations (Stanford)
Social Contract (Skyrms / Huttegger)
Chance (Skyrms / Huttegger)
Social Dynamics (Skyrms / Narens; 3x)

Frontiers in Artificial Intelligence (Baldi)
Human Problem Solving (Pizlo)

References

Jeffrey A. Barrett

Professor, Department of Logic and Philosophy of Science, University of California, Irvine.
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Zygmunt Pizlo

Professor, Department of Cognitive Science, University of California, Irvine.
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