

Leonard Klenner

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EDUCATION

- **University of Oxford** Online
Advanced Diploma in IT Systems Analysis and Design Oct 2018 – Oct 2019
- **Johns Hopkins University School of Advanced International Studies (SAIS)** Washington, DC
Master of Arts in Conflict Management and Economics; GPA: 3.58 (4-1 scale) Sep 2017 – May 2019
 - **Best Thesis Award:** Awarded for my M.A. thesis “Adaptation for Optimal Learning in Conflict”.
- **Ludwig Maximilian University Munich** Munich, Germany
Bachelor of Arts in Comparative Literature and Philosophy; GPA: 1.24 (1-4 scale) Sep 2013 – Nov 2016

EXPERIENCE

- **Johns Hopkins SAIS** Washington, DC
Short Course Developer and Instructor Dec 2018 – Present
 - **Course Development:** Co-developed Computational Applications to Policy and Strategy (CAPS), a first-of-a-kind course that emerges early-career policymakers in the policy and strategy considerations of key reinforcement learning algorithms and approaches. CAPS is the first student-taught short course to become accredited at SAIS.
 - **Teaching:** Led a team of two co-teachers with 50+ enrolled students. Continuously refined student success.
 - **Executive Outreach:** Secured mentorship for CAPS from former U.S. Under Secretary of State, Sarah Sewall. Successfully presented CAPS to leadership at organizations such as OpenAI and to two Deans of SAIS.
- **Johns Hopkins SAIS** Washington, DC
Research Assistant to Professor Sinisa Vukovic Sep 2018 – May 2019
 - **Policy Analysis:** Analyzed the emergence of hybrid conflict resolution mechanisms and contributed research on game theory and situational learning in conflict to papers forthcoming in Group Decision and Negotiation.
 - **Computational Modeling:** Built a dynamic model of utility transfer in conflict combining multiple 2x2 games.
- **Johns Hopkins University** Baltimore, MD
Research Assistant to Professor Brian Gunia Aug 2018 – Mar 2019
 - **Economic Analysis:** Researched transaction strategies in barter economies. Processed textual data on barter transactions using Python’s *sklearn* and *nlTK* packages for topic modelling and linguistic style matching.
- **Saiss2stechnology.com** Washington, DC
Co-Founder Feb 2018 – May 2019
 - **Product Development:** Delivered research reports on education at the intersection of policy and AI to SAIS’s leadership. Prototyped related workshops with insights and best practices sourced from organizations like InQTel.
 - **Leadership:** Managed team growth from 1 to 10. Secured funding from Johns Hopkins Technology Ventures.
- **Quirin Privatbank** Munich, Germany
Private Wealth Management Intern Jan 2017 – Mar 2017
 - **Portfolio Analysis:** Evaluated ETFs for a portfolio with EUR 350m AUM and compiled research briefs on smart beta strategies. Reported to CEO on identifying novel ways for client acquisition using personalized narratives.

PROJECTS

- **Assured Autonomy:** AI initiative associated with the Johns Hopkins Applied Physics Lab Summer 2019
 - **Data Analysis:** Analyzed research on generalizing game bot detection for an AI safety research project.
- **StarCraft II Bots:** Real-time strategy game used in commercial AI research Summer 2018
 - **Programming:** Built two rule-based AI bots in Python that defeat StarCraft II’s in-game AI on ‘elite’.

PEER-REVIEWED CONFERENCE PRESENTATIONS

- **Opponent Modeling of the Taliban:** Research paper presented [at IACM 2019]. [Draft].
- **Strategy and Turning Points:** Research paper presented [at IACM 2018]. [Draft] and [slides].

SKILLS

- **Languages:** English (fluent), German (native)
- **Technical:** Python (beginner; *numpy*, *python-sc2*, *sc2-reader*, *s2protocol*), Tableau (beginner), Excel (proficient)
- **Interests:** AI policy and strategy, Future of work and retraining, Peacebuilding, Collaborative autonomy