

Levi Grenier

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CURRENT POSITION	<i>Predoctoral Technical Associate</i> Massachusetts Institute of Technology , Cambridge, MA June 2023 – present In my current role, I am developing a mathematical model of the dynamics of regulations and regulatory bodies. I have had an active role in the development, implementation, and analysis of our model. PI: Vicky Chuqiao Yang, Ph.D.
ACADEMIC BACKGROUND	<i>B.Sc. Computational and Applied Mathematics</i> Colorado School of Mines , Golden, CO May 2023 Grade: 3.926 Involvement: McBride Honors, Undergraduate Student Government, Society for Women in Mathematics, Thorson Honors, Applewood Volleyball Coursework: Nonlinear PDEs, Intermediate Microeconomics, Integral Equations, Mathematical Biology, Physics of Complex Systems, Data Science, Stochastic Processes, Linear Algebra, Machine Learning, Scientific Computing, Computational Methods for ODEs Awards: Professor Everett Award, Colorado Scholar, President's Scholar Grading: MATH 225 (ODEs) Recitation Instructor and Grader <i>Non-Degree Coursework</i> Pikes Peak State College , Colorado Springs, CO 2016-18 Grade: 3.83 (41 credit hours) Coursework: U.S. History Since 1945, Advanced Public Speaking, History of Modern China, Intercultural Communications, World Mythology, Astronomy
RELEVANT EXPERIENCE	<i>Undergraduate Researcher</i> Santa Fe Institute , Santa Fe, NM Summer 2022 I was selected for one of nine undergraduate summer research positions. In this role, I investigated the stochastic properties of how Chopin discovered and used harmonic progressions throughout his career. <i>Policy Fellow</i> Colorado Science and Engineering Policy Fellowship , Denver, Colorado Summer 2021 I was selected as one of seventeen policy fellows. I developed a potential policy program to alleviate fiscal inequities caused by tax overrides in Colorado's education system. I presented my results to state Senators Hansen and Rankin. <i>Activities Assistant</i> Jellystone Park and Resort , Larkspur, CO Summer 2014-19 I led games, crafts, and other activities for guests staying at the Jellystone campground in Larkspur. This was a seasonal position. Highly interpersonal.
CONFERENCES	<i>Dynamics of Excitable Systems</i> , Georgia Institute of Technology, March 2022 <i>From Cells to Societies: Regulatory Mechanisms</i> , Santa Fe Institute. June 2023
CODING LANGUAGES	Python, C++, MATLAB, R