

## RESUME — PHOUSAWANH PEANGVONGPAKDY (HE/HIM)

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EDUCATION	Ph.D. in <i>Mathematics</i> at Washington State University B.Sc. in <i>Mathematics</i> at Harvey Mudd College Graduated with Distinction	2022 – <i>Present</i> May 2022
PROGRAMMING SKILLS	Experienced in MATLAB and L <sup>A</sup> T <sub>E</sub> X, proficient in Python and MAPLE, working knowledge in C++, R, and Java.	
RELEVANT COURSEWORK	<b>Mathematics</b> – Linear Algebra, Differential Equations, Dynamical Systems, Methods in Modern Modeling, Mathematics of Democracy, Simulations & Probabilistic Models <b>Computer Science</b> – Data Structures & Program Development, Supervised Machine Learning, Algorithms	
RESEARCH	<b>Research on Opinion Dynamics</b> Extended the Hegselmann–Krause opinion dynamics model and simulated the model in MATLAB with time-evolving connections. Expanding work to model and potentially forecast U.S. election.	May 2021 – <i>Present</i>
GRADING & TUTORING	<b>Teacher Assistant at Washington State University</b> Teach and grade a lab section of Calculus I <b>Grader and Tutor at Harvey Mudd College</b> Abstract Algebra I, Differential Equations, Intermediate Probability, Real Analysis I, and Dynamical Systems.	August 2022 – <i>Present</i> May 2020 – May 2022
AWARDS & FELLOWSHIPS	<b>Napier Fellow</b> Proposed a project to partner with Upward Bound to teach first-generation bound college students about mathematical modeling to understand the housing crisis in the San Gabriel Valley area.	October 2021 – April 2022
TALKS & CONFERENCES	<b>Joint Mathematics Meeting Conference</b> <b>Claremont Center for the Mathematical Sciences</b>	January 2022 September 2021
SERVICE & OUTREACH	<b>Project Decode (First-Generation Club)</b> <i>Co-President</i> Collaborated with the Office of Institutional Diversity to budget and lead social meetings/safe spaces, retreats. Coordinated workshops in financial aid, imposter syndrome, healthcare, and first-generation professor panels. <b>Upward Bound Tutor</b> Tutored first-generation and/or low-income high school students in the San Gabriel Valley.	September 2019 – May 2022 September 2020 – September 2021