

Mathematical economics research assistant

Employer: E. Glen Weyl is a second-year junior fellow in economics at the Harvard Society of Fellows. He was 2007 undergraduate valedictorian at Princeton University and graduated in 2008 with his Ph.D. in economics. His current research focuses on studying and designing markets, including high-tech industries, intellectual property and land assembly (eminent domain). His co-authors, with whom you would also work, include Jean Tirole and Scott Kominers, a Harvard Business School PhD student. References, from previous research assistants, about the experience are available.

Work: Participate in the design of market institutions, particularly intellectual property policy. Help in creating examples, simplifying mathematical expressions, checking and refining proofs, producing graphical illustrations of mathematical expressions and building tables. Run computational experiments to verify results and assist in their presentation.

Qualifications: Undergraduate preferred. Strong mathematical background; engineering, science, mathematics or mathematically-inclined economics major. Top grades (3.7+) in mathematical curriculum. Knowledge of or ability to learn quickly LaTeX, Mathematica and MatLab. Interest in potentially pursuing economics further. Knowledge of and interest in partial differential equations, calculus of variations and/or optimal control.

Pay: Base \$15 an hour; up to \$50 in bonus per week for excellent work. Opportunity to earn a letter of recommendation for graduate school and potentially to co-author a paper. Previous research assistants co-authored papers and gone on to graduate school at UPenn and Stanford GSB.

Hours and duration: Approximately 10 hours a week, on average, for the entire school year until mid-May. Schedule flexibility possible.

How to Apply: Send a resume, transcript and, if possible, a letter of recommendation to E. Glen Weyl; 78 Mount Auburn Street; Cambridge, MA 02138 and express interest via email at weyl@fas.harvard.edu. Students will be asked to interview before being hired.

Application deadline: September 11, 2009.