

Ali Ghasemivaghar

Work Authorization Status: U.S. Permanent Resident

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EDUCATION

- **Columbia University** New York, NY
Master of Arts in Economics *Aug. 2017 – Dec. 2018*
- **Sharif University of Technology** Tehran, Iran
Bachelor of Science in Electrical Engineering, Minor in Economics; GPA: 3.9/4.0 *Aug. 2013 – Jun. 2017*
 - **Mathematics Courses:** Stochastic Control (Graduate), Stochastic Process (Graduate), Statistical Learning (Graduate), Linear Algebra, Probability and Statistics, Numerical Computation, Differential Equations, Engineering Mathematics (contains P.D.E and Fourier Analysis), Digital Signal Processing, Linear System Control, Signals and Systems, Multivariable Calculus
 - **Economics Courses:** Intermediate Macroeconomics, Intermediate Microeconomics, Intermediate Econometrics, Industrial Organization
 - **Programming Courses:** Advanced Programming in Java (contains Object Oriented Programming), Introduction to Programming in C++

EXPERIENCE

- **National Iranian Competition Council** Tehran, Iran
Analyst *Jan. 2017 - May 2017*
 - Studied specifically the structure of electricity market in Iran as a pay-as-bid market. Studied different market structures for electricity in different countries. Collected data for cost of generators and their bidding for supplying electricity. Analyzed the bidding strategy of generators using their hourly bidding data and their cost.
- **University of Chicago, Department of Economics** Chicago, IL
Research Assistant *Summer 2016*
 - Worked as a research assistant for kidney transplant market project under supervision of Professor Mohammad Akbarpour (Assistant Professor of Economics in Stanford Graduate School of Business). Used the donors' and recipients' basic information to estimate the wealth distribution of each groups. Worked on developing a model for market in Iran as a case in which trading kidney is regulated by government.
- **Rahnema Co.** Tehran, Iran
Game Developer *Jul. 2014 - Dec. 2014*
 - Cooperated as a Java and C++ developer with other developers and graphic designers. Main focus was on developing casual games for iOS. Final product was published on App Store with the name of "Piano Line: Paint the Rectangles".
- **Allameh Helli High School** Tehran, Iran
Mathematics Teacher *Oct. 2013 - Jul. 2016*
 - Taught Calculus and Differential Equation to students preparing to compete in the National Physics Competition.

HONORS

- Merit-Based, Fully-Funded Admission to the MBA Program, Sharif University of Technology. May 2017
- Membership of Iranian National Elite Foundation. 2013-2017
- Gold Medalist of the Iranian National Physics Olympiad. Sept. 2012

SKILLS AND INTERESTS

- **Programming** STATA, R, MATLAB, Java, C++, Python
- **Languages** Persian(Native), English(Fluent)
- **Document Preparation** Microsoft Office, LATEX
- **Interests** Soccer, Volleyball