Emmett Kotlikoff

230 East 30th St – New York, NY 10016 - (607) 229-6041 - emk244@cornell.edu

Education	**Cornell University, College of Arts and Sciences**		Spring 2016

Bachelor of Science in Computer Science
Major GPA: 3.47/4.0

Experience **Technology Analyst**, *Goldman Sachs,* New York, NY   *React, Angular, Java*   2016 - Present
- On boarded a large team to a central enterprise wide data platform, requiring extensive data-model design of 20 interconnected tables
- Jump-started a team's end-to-end testing initiative, writing tests and incorporating them in the SDLC
- Implemented the UI for an enterprise web app from the bottom up

Consultant for CS 3110, Ithaca, NY   *OCaml*   2014 - 2015
- Collaborated with team of 40 to design and grade 7 sets of 300 problem sets and 3 exams
- Assisted students during weekly office hours with complex projects such as a sudo Ocaml interpreter, BitTorrent protocol, and Map Reduce system

Software Engineering Intern, *Google*, Mountain View, CA   *C++*   Summer 2015
- Designed and implemented a performance simulator for a flash storage scheduling algorithm
- Built a large framework allowing configurability for users interested in analyzing performance with different hardware constraints
- Regularly submitted code for review learning the standard syntax regulations and excellent testing practices

Course Work **Introduction to Natural Language Processing**   *Python*   Fall 2015
- Implemented various NLP systems: genre prediction based on bigram model perplexity, supervised word sense disambiguation based on ensemble learning of various knowledge sources, and named entity recognition using a Hidden Markov Model approach

Introduction to Computer Game Development   *Java*   Spring 2015
- Software lead of our team of 6 (4 programmers and 2 designers)
- Communicated technical difficulties and feasibility of ideas to non technical members
- Delegated coding requirements to members of the group for each sprint
- Made all final design decisions, handled technical disagreements between members
- Won Most Polished out of 18 games

Practicum in Operating Systems   *C, Python*   Fall 2014
- Implemented a preemptive, multilevel queue scheduler and user-level threading

Computer System Organization and Programming   *C, Logisim*   Spring 2014
- Developed a 32 bit, 5 stage MIPS Processor

Independent **Student Mentor**, *iMentor,* New York, NY   2016 - present
- Providing five years of advice and guidance to a student throughout high school and into their college transition

Recreational Event Networking Application   *Swift*   Winter 2015
- Aimed to streamline the process of finding a new group with which to play an activity
- Researched available solutions to networking and data storage problems
- Designed and implemented a complete functional prototype in three days, showing my versatility with new systems as this was my first experience with the IOS platform
- https://github.com/Ekotlikoff/RecLeague