

STEPHEN J. KATZ

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github.com/phsteve

EXPERIENCE

ETSY. New York, NY.

April 2014-Present

Software Engineering Intern, Payments Team

- Improved Direct Checkout to give new sellers faster access to their money in fewer steps.
- Removed the requirement that new sellers mark items as shipped before receiving payment.
- Wrote a script that moved over a million dollars in pending payments to sellers' ledgers for deposit.
- Predicted and tested impact of product changes using MySQL, logging analysis, and internal tools.
- Redesigned Gift Card PDF file to use vector graphics instead of JPEG, reduced download size by 80%.

HACKER SCHOOL. New York, NY.

Sept. 2013-Dec. 2013

- Worked on a number of self-directed projects, with a focus on learning asynchronous programming techniques in Python using Twisted.
- Wrote a BitTorrent client, which requests and downloads files from multiple peers asynchronously.
- Created a bot for Zulip, an IRC-like chat program, which generates random responses using a Markov chain trained on previous messages from Zulip's API.
- Collaborated with three other Hacker Schoolers to create an asynchronous mail client using Twisted's Klein web framework, SMTP and IMAP clients.

TRANSCARE EMS. New York, NY.

April 2009-May 2014

Emergency Medical Technician, 911 Division

- Responded to FDNY-dispatched 911 calls for medical, traumatic and psychiatric emergencies.
- Treated patients and operated ambulances in high call volume areas of Manhattan and the Bronx.
- Successfully resuscitated four patients from cardiac arrest.

MT. HOOD MEADOWS SKI RESORT. Mt. Hood, OR.

Nov. 2007-May 2008

Ski Patroller

- Responded to, assessed, treated and transported injured skiers in a challenging alpine environment.
- Assisted with patient care in medical clinic.
- One of three first-year patrollers to be selected to perform avalanche control with explosives.

SELF EMPLOYED. Portland, OR.

Sept. 2001-Oct 2007

Private Tutor

- Tutored multiple clients ranging in age from 13-18 in math, science and standardized tests.

REED RESEARCH REACTOR. Portland, OR.

Sept. 2001-May 2005

Senior Reactor Operator

- Operated 250 kW TRIGA nuclear reactor on Reed's campus.
- Supervised and trained Reactor Operators ensuring adherence to federal regulations.
- Led lectures and laboratory sessions for prospective Reactor Operators.
- Responded to emergencies, personnel contamination, elevated radiation levels and uranium fuel leaks.

EDUCATION

BA Mathematics Reed College. Portland, OR.

May 2005

Senior Thesis: *Quantum vs. Classical Learning Algorithms.*