# Alex Harelick

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## Education

**University of Pennsylvania**, School of Engineering and Applied Science, Philadelphia, PA — May 2016
Candidate for Bachelor of Science in Networked & Social Systems Engineering
Relevant Coursework: Crowdsourcing, Scalable and Cloud Computing, Networks and Security, Algorithms
3.50 / 4.00 GPA

**White Plains Senior High School**, White Plains, NY — June 2012
4.82 / 5.20 GPA
National Honor Society – elected Parliamentarian, Ranked 11 / 600, Junior Engineering Technical Society

## Work Experience

**University of Pennsylvania, Research Assistant** for Professor Chris Callison-Burch — Summer 2014
- Wrote Java/Python/JS programs to determine trending Wikipedia articles using page view statistics
- Utilized Mturk and Machine Learning libraries to validate and cluster computer generated data
- Created a pipeline to automate the procedure of downloading text files, generating HITs and posting results

**White Plains City School District, Summer Technology Support Team** — Summers 2013 & 2012
- Installed hardware/software upgrades within a large suburban school district
- Led a team of 8 and distributed responsibility to maintain 9 schools

**Central Westchester YWCA, Lifeguard / Swim Instructor** — Summer 2011
- Taught swimming skills to children and guarded the pool for swim classes and special events

## Technical Projects

**PennBook, NETS 212** (Node.js, EJS, SimpleDB, HTML/CSS, Ajax) — Fall 2013
- Small scale version of Facebook where each user had their own personal wall and could send posts to others

**LastTweet** (JavaScript and jQuery) — Summer 2014
- Chrome extension to keep track of and scroll to the last read tweet in a user's feed

**GroupMe+, PennApps** (Node.js, MongoDB, Oauth, HTML/CSS) — Fall 2014
- An improved version of the groupme messaging application with new features such as search

**Wikipedia Summer Research Project, University of Pennsylvania** — Summer 2014
- Used cron jobs to perform hourly inserts on a SQLite database then analyzed data with Python and Java

## Extracurricular Involvement

**Theta Tau Engineering Fraternity, Tau Gamma Chapter** — 2014 - Present
- Web Committee: Maintain the chapter website and run the election platform

**UPenn Void Ultimate Frisbee Team Member** — 2012 - 2014

**Penn Illusionist (Magic and Juggling Club) Member** — 2012 - Present

**MS Society Swim for Life & Swim Across America** — 2005 - 2012
- Raised nearly $50,000 participating in open water swims
- Recognized as National Youth in Philanthropy by the Association of Development Officers

## Skills

- Highly skilled in Java (4 Semesters of Classes + Research)
- Experience with Python, Matlab, Hadoop, Mechanical Turk, Node.js, JavaScript, SQLite, MongoDB, HTML/CSS
- Currently enrolled and studying Machine Learning and C