Dana R. Silver

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EDUCATION

Middlebury College   **Middlebury, VT**
September 2012 to May 2016 (Expected)
Major: Computer Science
Current GPA: 3.73/4.00
College Scholar

Cherry Hill High School East   **Cherry Hill, NJ**
September 2008 to June 2012
Weighted GPA: 6.88/7.00
Unweighted GPA: 3.91/4.00
Class Rank: 12/476
Summa Cum Laude

Center for Computational Intractability   **Princeton, NJ**
Summer 2011
Tuition-free, eight-week program in Theoretical Computer Science at Princeton University
sponsored by the National Science Foundation.

SKILLS

Languages: Python, JavaScript, Java, Handy Logo, HTML(5), CSS(3), LaTeX, Markdown

Libraries and Frameworks: Django, Node.js, jQuery, Twitter Bootstrap, Express, Socket.io, LESS, Celery,
Jekyll

Technical: Git/Github, Unix Command Line, Photoshop, Illustrator, InDesign, Dreamweaver, Final Cut,
Microsoft Office

RELEVANT COURSE WORK

Middlebury College

Data Structures	Lego Robot Design Studio
Math Foundations of Computing	Linear Algebra
Theory of Computation	Multivariable Calculus
Computer Architecture	Physics (Newtonian/E&M)

Center for Computational Intractability Summer Program

Discrete Mathematics	Algorithm Design

EXPERIENCE

Burlington Code Factory/Rocket Listings   **Burlington, VT**
Summer Fellow   June 2013 – August 2013
Worked on Rocket Listings (beta.rocketlistings.com), a set of tools to make selling on Craigslist easier.

- Developed the dashboard, one of the core features of the site, where users manage their listings. Built an internal API on our Django backend, an AJAX based frontend, and the user interface. Tools: Django, jQuery.
- Built a mail relay system modeled after Github's Issues. Buyers and sellers can communicate on the site, via email, or from one to the other. Tools: Django, Celery, Mailgun.
- Developed a Chrome extension to automatically post, update, and delete listings on Craigslist. The extension integrates with the Rocket Listings site. Tools: Chrome Extension API, Node Request Module, XMLHttpRequest2.
- Developed the account management interface and backend. Setup Facebook and Twitter integration with user profiles. Tools: Django, jQuery, Facebook JS SDK, OAuth 1.0.

National Constitution Center   **Philadelphia, PA**
Volunteer – Education and Exhibits   2008 – 2012
Communicated constitutional history, law, and information about historic and modern exhibits to visitors from around the world.

Bowling for Bears   **Cherry Hill, NJ**
Vice President of Operations   2005 – Present
I play a key role in organizing annual fundraisers and coordinating deliveries. Bowling for Bears is a non-profit organization that delivers teddy bears to children in need every holiday season. To date, we have delivered more than 13,000 teddy bears to children.

OPEN SOURCE CONTRIBUTIONS

django-dana-time: Created a replacement for django.contrib.humanize that does not fall back on the overly verbose timesince filter. (github.com/danasilver/django-dana-time)

eulerian-magnification: Fixed a bug to allow relative video imports. The project implements MIT research to discover hidden variation in video. (github.com/brycedrennan/eulerian-magnification)

twitter bootstrap: Opened and fixed a LESS/CSS issue on the 3.0.0 WIP branch prior to release. (github.com/twbs/bootstrap/issues/8805)

vicinity: Implemented file sharing and irc-like commands using node.js and socket.io. Vicinity is a location based chat service. (github.com/teddyknox/vicinity, vicinitychat.com)