

**Peter Downs**  
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**OBJECTIVE** I want to do great things with smart people. I have special interest in learning more about natural language processing, computational statistics, and data visualization.

**SKILLS** **Personal:** I communicate clearly; I learn quickly; I work hard.  
**Languages:** Python (Django, Flask, Bottle), Javascript (Node, Angular), CSS, Go, MIT Scheme

**EDUCATION** **Bachelor of Science,**  
Massachusetts Institute of Technology, Cambridge, MA  
September 2014 – Present  
Anticipated graduation: May 2018  
  
Harriton High School, Rosemont, PA  
September 2008 – June 2012

**EXPERIENCE** **Software Engineer** September 2012 – June 2014  
Locu, Inc., San Francisco, CA.  
(acquired by GoDaddy in September 2013)

- Worked as a full-stack web developer. Developed, maintained, and improved the site's backend (Python/Django) and frontend (Javascript/JQuery/Angular).
- Designed and implemented a novel Javascript content layout algorithm (provisional patent filed).
- Designed, implemented, and open-sourced a complete OAuth2 server implementation for Django.
- After company acquisition by GoDaddy, helped lead team working on user authentication and payment system integration.
- Advocated for and helped implement better code review and testing protocols.

**Software Engineer** June 2012 – September 2012  
Hyperink, San Francisco, CA.

- Worked as a full-stack web developer, from the backend (Python/web.py) to the frontend (Javascript/JQuery).
- Improved payment system, increasing customer conversion rates and increasing sales.
- Improved and developed internal tools for ebook creation and editing.

**Summer Intern** Summers 2010-2011  
The High Energy Physics Lab at The University of Pennsylvania, Philadelphia, PA.

- Wrote low-level software for medium-scale data collection and processing.
- Created internal tools that greatly increased the speed of hardware testing.