

CV: JOSEPH SLOTE

🌐 joeslote.com
📞 814-282-7289

✉ slotej@carleton.edu
📍 300 N. College St., Northfield, MN 55057

01: EDUCATION & AWARDS

DATES

- + **Carleton College**, Northfield, MN
 - Dean's List
 - Barry Goldwater Scholarship Honorable Mention
 - "Exemplary" rating on sophomore writing portfolio
 - Two-time recipient of research funding from the Robert J. Kolenkow and Robert A. Reitz Fund for Undergraduate Research
- Jun 2016 (Exp. Grad.)
2013 - 2015
2015
Sep 2014
Dec, Mar 2014

02: WORK & RESEARCH

DATES

- + **Center for Quantum Information and Control**, University of New Mexico
Research Assistant, Deutsch group
 - Performing complexity analyses of the Boson Sampler (a specialized linear interferometer) to investigate the potential performance benefits over classical computing provided by "noisy" quantum computation.
 - + **Carleton College**, Northfield, MN
Research Assistant, Perception Lab of Prof. Julia Strand, Ph.D.
 - Designed and coded a psycholinguistics study for deployment on the Amazon Mechanical Turk as well as a related chronometry study. A paper is forthcoming in *Behavioral Research Methods*.
 - Developed and conducted a psycholinguistics study on grammatical expectation using the Tobii © Eye Tracker. A paper is in review.
 - Contributed to the open-source [PsiTurk](#) platform.
 - Front-end Web Developer, Web Services
 - Extended and integrated a modern [form creation interface](#) into the college's open-source Reason CMS.
 - Designed a responsive and content-first [Art Department Blog](#).
 - + **Channellock Inc.**, Meadville, PA
Engineering Intern
 - Designed machining fixtures for the manufacture of hand tools that balance repeatability, ease of use, and cost. These fixtures are still in use.
- Dec 2014 – present
Jan 2014 – Jan 2015
Jan 2013 – Jan 2014
Jun – Aug 2011 and
Jun – Aug 2012

03: LEADERSHIP

DATES

- + **Carleton Developers Exchange**, President and Co-Founder
 - [Carldraw](#): Led a team of 16 peers to create a successful live-updating "dashboard" web app for Carleton's Room Draw process.
 - + **NTMA RoboBots Competition**, team leader and designer
 - Awards: Best Engineered (3x); Best 'Bot (1x)
- 2014 – present
2007 – 2012

04: SKILLS

- + **Web Languages:** Javascript, HTML5, CSS3, MongoDB, PostgreSQL
- + **Software Languages:** Java, Python, Processing, Arduino
- + **Scientific Computing:** Mathematica, LaTeX
- + **Manufacturing:** CAD/CAM (Pro/E, SolidWorks, Inventor); Hands-on experience with 3D printers, manual and CNC mills, lathes, etc.

05: PRESENCE

