

LUKE CARLSON

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EDUCATION

University of Pennsylvania, School of Engineering and Applied Science *May 2017*
B.S.E in Computer Science. GPA: 3.72

University of Pennsylvania, School of Engineering and Applied Science *May 2017*
M.S.E in Computer Science. GPA: 4.00

Campus Involvement: Phi Gamma Delta, Bell Society, West Philly Swing Dance Group

HONORS: Dean's List 2014-2015, Dean's List 2015-2016

EXPERIENCE

Microsoft Seattle, WA
Program Manager Intern Summer 2016

- Created in depth lesson on a cutting edge build system and led an hour long seminar for 60+ employees
- Contacted customers and formulated strategy for reducing churn rate among C++ customers (4000).
- Designed spec and walkthrough for Android product in Visual Studio

University of Pennsylvania Philadelphia, PA
Head Project Manager, Teaching Assistant 2014 - Present

- Mentor groups of graduate students as they develop applications in *CIS 573: Software Engineering*.
- Directed weekly recitations for second level CIS course *CIS 120: Programming Languages and Tech*.
- Held regular office hours, graded assignments & exams and attended weekly professor meetings.

Ruse Laboratories New York, NY
Product Manager, Freelance Developer 2014 - Present

- Led the design and implementation of a data visualization product (MeteorJS, MongoDB, d3)
- Designed and executed the restyling of N.J. Congressional candidate Roy Cho's website.

Appboy New York, NY
Software Engineering Intern, Web Development Intern Summer 2012, 2013, 2014

- Updated the backend of product documentation and training sites to improve customer support.
- Built web interface to allow image push notifications for Android devices to be sent to millions of users.
- Showcased product development and relevant research in regular presentations to management.

RECENT PROJECTS

Duty Reporter: Commissioned by Hospital to simplify the duty hour reporting process for residents
Machine Translation Research: Targeted a low resource language (Telugu) and compiled a bilingual dictionary, monolingual data dump, language ID system and a transliteration program.

TECHNICAL STRENGTHS

Programming Languages	Javascript, Python, Java, C, OCaml, Ruby & more
Tools	git, Emacs, Final Cut Pro, Photoshop, L ^A T _E X
Other Interests	Filmmaking, Skiing, Writing

Strong interest in other cultures: travel includes South America, Turkey, backpacking in Southern & Western Europe, and language study in Spain