

BEN CHAIMBERG

PERSONAL INFO

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EDUCATION

SEPTEMBER 2015 – **University of Chicago**, Chicago, IL
Present *Bachelor of Arts in Computer Science and Statistics, expected June 2019. Cumulative GPA: 3.75/4*
Achieved Dean's List for the 2015-2016 and 2016-2017 school years.

AUGUST 2011 – **Hanover High School**, Hanover, NH
JUNE 2015 *Diploma, June 2015. GPA: 3.75/4*
Three-sport varsity athlete and captain of the varsity track and field team.
Maintained high GPA while pursuing computer science and chorus as electives.
Scored 5 on AP Statistics and AP Calculus and 35 on ACT.
Directed student a cappella group and held the position of Secretary for school governance body.

EXPERIENCE

JUNE 2017 – **Software Engineering Intern** at JPL/NASA, Pasadena, CA
AUGUST 2017 Implemented and tested changes to processing scripts used in the Mars rover Opportunity tactical uplink planning.
Worked closely with engineering and science teams to reduce errors, manual edits, and planning time.

MAY 2017 – **Research Assistant** for Lawrence D. W. Schmidt, University of Chicago, Chicago, IL
Present Developed cubic spline algorithm in R for approximating a probability distribution from a small number of quantiles.
Optimized run-time of above program by using tri-diagonal algorithm and porting to C.

JUNE 2016 – **Model Development Intern** at RSG, Inc., White River Junction, VT
SEPTEMBER 2016 Created data visualization suite in R for efficient and clear reading of model calibrations and results.
Edited, updated, and modularized translation datasets to ease use with data spanning several years.

FEBRUARY 2016 – **Student Support Associate** at IT Service Desk, University of Chicago, Chicago, IL
JUNE 2016 Provided technological support for students, faculty, and staff in a variety of different areas, including mobile devices, Microsoft Windows/Office, Mac OS X, email, and other software.
Managed lending of computers and electronic equipment and repaired computer hardware.

AUGUST 2011 – **Full Stack Developer** at Swing Paints Ltd., Hanover, NH
Present Designed and built website using Flask (Python web microframework) with an SQL database on a LAMP system, version-controlled with Git.
Upgraded site to include mobile and data-storage optimization.
Created design and functional specifications with president and graphic designer on design and functionality to increase brand power and customer usability.

LEADERSHIP ACTIVITIES

SEPTEMBER 2015 – **Varsity Athlete** for University of Chicago
Present Ran for track & field team during all seasons (academic and otherwise).
Balanced 15+ hour per week practice and competition commitment with full course load and other on-campus activities.

NOVEMBER 2015 – **Volunteer Health Educator** for Peer Health Exchange
Present Selected to teach underprivileged local youth for UChicago chapter of national health education organization.
Developed classroom management and public speaking skills to effectively communicate essential information.

JUNE 2014 – **Secretary** for Hanover High School Council
JUNE 2015 Elected to office by the members of the [Council](#).
Responsible for taking minutes, organizing documents, and handling all correspondence for the body.

SKILLS

BASIC KNOWLEDGE: C++, Objective-C, Perl, Swift, STELLA
INTERMEDIATE: Haskell, mySQL, L^AT_EX, Shell (bash, csh, tcsh), PHP, Microsoft Office
ADVANCED: C, Python, R, Javascript, CSS, HTML, jQuery, Git