

BEN CHAIMBERG

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EDUCATION

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| SEPTEMBER 2015 – Present | University of Chicago , Chicago, IL <i>Bachelor of Arts in Computer Science and Statistics, expected June, 2019. Cumulative GPA: 3.68/4</i> Achieved Dean's List for the 2015-2016, 2016-2017, and 2017-2018 academic years. Relevant computer science coursework: networks, functional programming, architecture, algorithms, data structures. Relevant statistics coursework: machine learning, Markov chains, nonparametric inference, linear regression, probability. |
| AUGUST 2011 – JUNE 2015 | Hanover High School , Hanover, NH <i>Diploma, June 2015. GPA: 3.75/4</i> Three-sport varsity athlete and captain of the varsity track and field team. Scored 5 on AP Statistics and AP Calculus and 35 on ACT. |

EXPERIENCE

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| JUNE 2018 – AUGUST 2018 | Software Development Intern at Optiver US LLC, Chicago, IL Worked with Automated Trading Systems team to extend trading technology to interact with new markets. Updated testing framework to decrease complexity and reduce false results. |
| SEPTEMBER 2017 – JUNE 2018 | Grader for the Computer Science Department, University of Chicago, Chicago, IL Graded homework assignments for CMSC 16100 (Fall 2017), CMSC 15100 (Winter 2018), and MPCS 51042 (Spring 2018). Developed grading rubric and provided comments on student work. Met with students as necessary to clarify feedback and aid understanding. |
| JUNE 2017 – AUGUST 2017 | Software Engineering Intern at JPL/NASA, Pasadena, CA 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 – JUNE 2018 | Research Assistant for Lawrence D. W. Schmidt, University of Chicago, Chicago, IL 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 – SEPTEMBER 2016 | Model Development Intern at RSG, Inc., White River Junction, VT 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. |
| AUGUST 2011 – Present | Full Stack Developer at Swing Paints Ltd., Hanover, NH 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. |

LEADERSHIP ACTIVITIES

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| NOVEMBER 2015 – Present | Volunteer Health Educator for Peer Health Exchange Selected to lead group of educators by teaching curricula and proper education technique as a member of the Leadership Council for the 2018-2019 academic year. Taught underprivileged local youth for UChicago chapter of national health education organization. Developed classroom management and public speaking skills to effectively communicate essential information. |
| SEPTEMBER 2015 – Present | Varsity Track and Field Athlete at the University of Chicago Captain for 2018-2019 academic year. UAA All-Academic for 2017 and 2018 athletic seasons. Balanced 15+ hour per week practice and competition commitment with full course load and other on-campus activities. |
| JUNE 2014 – JUNE 2015 | Secretary for Hanover High School Council Elected to office by the members of the Council . Responsible for taking minutes, organizing documents, and handling all correspondence for the body. |

SKILLS

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| BASIC KNOWLEDGE: | Objective-C, Perl, Swift |
| INTERMEDIATE: | SQL, PHP, Shell (bash, csh, tcsh), Haskell, Typed Racket, Standard ML, \LaTeX , Microsoft Office |
| ADVANCED: | C, C++, R, Python, Git |