ELI SHAYER

eshayer@stanford.edu | 907-575-8228 | elishayer.com

STANFORD UNIVERSITY	*9/2014 – 6/2018 (EXPECTED)*

Pursuing a B.A. in Mathematical and Computational Science and a Minor in History
Grade Point Average 3.81/4.00
Coursework Design and Analysis of Algorithms, Computer Organization and Systems, Mathematical
Foundations of Computing, Theory of Probability, Introduction to Stochastic Processes, Ordinary
Differential Equations, Multivariable Calculus, Linear Algebra, Contemporary JavaScript

WEST ANCHORAGE HIGH SCHOOL	*8/2010 – 5/2014*

Grade Point Average 4.48/4.00 Weighted; 4.00/4.00 Unweighted
SAT 2340 (800 Critical Reading, 800 Math, 740 Writing); **SAT Subject Tests** Math Level II (800), Physics (800)
AP Coursework Calculus AB (5), Calculus BC (5), Statistics (5), Biology (5), Chemistry (5), Physics B (5),
United States History (5), Government (5), Microeconomics (5), Macroeconomics (5), Psychology (5)

WORK EXPERIENCE

Northern Economics *Temporary Staff Analyst II*   *5/2014 – 9/2014, 6/2015 – 9/2015*
- Co-authored numerous reports, including a business plan for Suquamish Seafoods, the master plan for the Palmer Airport, multiple regulatory forecasting projects, and a report on halibut bycatch
- Performed extensive economic and demographic forecasting using Excel and STATA

Research Science Institute *Harvard Vision Lab Researcher*   *6/2013 – 8/2013*
- Designed a cognitive science experiment and tested a dozen subjects at the Harvard Vision Lab
- Wrote a scientific paper and presented at the Research Science Institute Symposium

PROJECTS

TruMedia Networks Baseball Hackathon (elishayer.com/TruMedia-MLB-Hackathon/)   *1/2015*
- Placed 1st in the Engineer division; data visualization and exploration of pitch-by-pitch data in d3.js

Graphicacy Major League Data Challenge (stanfordsportsanalytics.com/mlb-challenge)   *11/2015*
- Group project visualizing the top 20 players in Major League Baseball history using the d3.js library
- Wrote all of the code for the visualization, which placed 2nd in the competition

Baseball Pitch Tracker   *5/2015 – Present*
- Ongoing web app project for Stanford Varsity Baseball on the MEAN stack with Bootstrap and d3.js
- Designed to accept pitch-by-pitch input data and deliver insightful analytics about pitchers and hitters

ACTIVITIES

Stanford Sports Analytics Club   *9/2014 – Present*
- Technology Officer (*6/2015 – Present*), developed the club website (stanfordsportsanalytics.com)
- "The Frictional Cost of a Call to the Bullpen," wrote a Monte Carlo Markov model simulator in C++
- Competed in the SABR Analytics Conference Case Competition, modeling team results in R

Code the Change   *11/2015 – Present*
- Group project building a photography copyright licensing website using a Flask server

Stanford Democrats   *9/2015 – Present*
- Associate on the Newsletter Team

Boy Scouts of America   *12/2006 – 12/2013*
- Earned the rank of Eagle Scout (*2011*) and served as Senior Patrol Leader (*2011*)
- Served on National Youth Leadership Training staff as Instructor (*2010*), Assistant Course Leader (*2012*), and Course Leader (*2013*), instructing 48 learners in leadership, communication, and accomplishing goals

AWARDS

Stanford University Boothe Prize (elishayer.com/docs/EliShayer.BoothePrize.pdf)	*2015*
National AP Scholar, National Merit Scholar, Presidential Scholar Semifinalist	*2014*
American Mathematics Contest State Champion	*2010, 2011, 2012, 2014*

SKILLS AND INTERESTS

Web Development jQuery, Node.js, Express, AngularJS, MongoDB, d3.js, Bootstrap, CSS, HTML, Jade
Programming Languages C++, C, Java, JavaScript, R, Python, VBA, STATA
Interests Skiing, Hiking, Camping, Web Development, Modeling, Data Visualization, Politics