

THAYER FISHER

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EDUCATION

- **PhD Student, Biostatistics**, University of Washington, 2017- Present
- **Bachelor of Arts, Mathematics** (Honors and Distinction) and Chinese (Distinction); Computer Science, Minor, Occidental College, Los Angeles, CA – 2017
Summa Cum Laude
- University of Minnesota Summer Institute in Biostatistics (SIBS); Summer 2015

SELECTED PUBLICATIONS

- Whidden, C., Claywell, B. C., **Fisher, T.**, Magee, A. F., Fourment, M. & Matsen, F. A. , "Systematic Exploration of the High Likelihood Set of Phylogenetic Tree Topologies", arXiv:1811.11007, Submitted.

SELECTED RESEARCH EXPERIENCE

RESEARCH ASSISTANT, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON, SEPTEMBER 2017- PRESENT

- Working on developing an R package which implements a generalized sparse additive model using proximal gradient descent.
- Uses fast solvers implemented in C++

INTERN, FRED HUTCHINSON CANCER RESEARCH CENTER, SEATTLE, WASHINGTON, SUMMER 2016

- Very competitive program which pairs interns up with mentors to do statistical and biomedical research.
- Worked for 9 weeks in the computational Biology program with Dr. Frederick Matsen IV.
- Helped design and implement a new algorithm for phylogenetic inference.
- Learned how to work with C/C++ libraries and programs in a collaborative, programming-oriented statistical environment.
- Presented on my work to a panel of judges at the conclusion of the 9-week program.

SELECTED INDUSTRY EXPERIENCE

RESEARCH SCIENTIST INTERN, AMAZON, SEATTLE, WASHINGTON, JUNE 2018-SEPTEMBER 2018

- Worked as a research scientist building models to assist the modeling and optimization team.
- Used state-of-the-art machine learning tools to build predictive models.

INTERN, BOEING CHINA, CHINA MAY 2014-JULY 2014

- Worked as a data analyst at Boeing Tianjin Composites optimizing autoclave cure times using Microsoft Access.

- Reduced the total cure time per part by an average of 4%

HONORS AND ACHIEVEMENTS

- Phi Beta Kappa Member, Occidental College
- Benedict Freedman Prize for Mathematical Promise, Spring 2017
- Benedict Freedman Senior Prize in Mathematics, Spring 2017
- Highest score at Occidental College on the William Lowell Putnam Mathematics Competition, Spring 2015, Spring 2017
- Boeing National Merit Scholar, 2013-2017
- Dean's List, Occidental College, Fall 2013 – Spring 2017
- NCAA Student Athlete, Men's Varsity Soccer, Occidental College, 2013-2016
- SCIAC All-Academic, 2014-2017

SKILLS/ Languages

Software: Knowledge of C/C++, R, S-PLUS SAS, MatLab, Mathematica, and Java