Tyler Chen

chentyl@uw.edu tyler@chen.pw http://chen.pw	University of Washington Lewis Hall, Box 353925 Seattle WA, 98195
Education	
University of Washington	September 2017 - Present
University of Washington	September 2017 - December 2018
Tufts University	
Research	
University of Washington (under Anne Greenbaum) Study the behavior of parallelized implementations of the consion arithmetic	
Soft Matter Theory (under Tim Atherton, Chris Burke) Optimize Monte Carlo simulations written in C used to explore to the surface of ellipsoids	
Research in Industrial Projects for Students Hong Kong Design and implement a short range underwater acoustic company ePropulsion	
Teaching	
TA, Probability And Statistics For Computational Finance (UW TA, Calculus with Analytic Geometry I (UW MATH 124)	
Graduate Coursework	
Optimization: Fundamentals and Applications (UW AMATH 515) Design and Analysis of Algorithms (UW CSE 521) Numerical Analysis of Time Dependent Problems (UW AMATH 561) Inferring Structure of Complex Systems (UW AMATH 563) Numerical Analysis of Boundary Value Problems (UW AMATH 568) Advanced Stochastic Processes (UW AMATH 562)	

Networks and Combinatorial Optimization (UW AMATH 514)	Winter 2018
Applied Linear Algebra and Introductory Numerical Analysis (UW AMATH 584)	Autumn 2017
Applied Complex Analysis (UW AMATH 567)	Autumn 2017
Introduction to Probability and Random Processes (UW AMATH 561)	Autumn 2017
Algebra 2 (Tufts MATH 216)	Spring 2017
Algebra 1 (Tufts MATH 215)	Fall 2016

Relevant Skills

Programming Languages, Packages, and Software

- Proficient: Linux, python, scipy/numpy/matplotlib, Mathematica, LaTeX, TikZ/pgfplot, MATLAB, HTML/CSS/Javascript,
- Developing: tensorflow, theano, keras, CUDA, C, C++, sympy, git, slurm, Powershell, Tasker

Other Skills

I can ride a bike

Awards & Honors

Top Scholar Fellowship (uw)	Fall 2017
The Audrey Butvay Gruss Science Award (Tufts)	April 2017
Phi Beta Kappa (Tufts)	April 2017
Sigma Pi Sigma Physics Honors Society (Tufts)	May 2016
The Howard Sample Prize Scholarship in Physics (Tufts)	April 2015
Dean's List (Tufts)	All Semesters

Professional