

David Sun

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Education

Carnegie Mellon University

May 2021

Bachelor of Science in Statistics and Machine Learning (QPA: 3.05/4.00, Dean's List for 2 semesters)

Fundamental Coursework

Introduction to Computer Systems

Discrete Mathematics (Po-Shen Loh)

Parallel and Sequential Data Structures and Algorithms

Undergraduate Advanced Data Analysis

Employment

Carnegie Mellon University

August 2019 – January 2020

Teaching Assistant for 15150: Principles of Functional Programming.

Skills

Programming Languages

Python, SML, C, x86 ASM

Typesetting and Page Markup

L^AT_EX, TikZ, Beamer, HTML

Languages

English, Mandarin

Data Analysis and Visualization

R, ggplot2

Version Control

Git

Other

Bash, GDB

Projects

SML Help

smlhelp.github.io

Wrote and edited reference materials to help students learn functional programming concepts and SML's type system.

Service

PlaidCTF

April 2021

Tested reverse engineering and binary exploitation challenges.

picoCTF

March 2021

Tested reverse engineering and binary exploitation challenges.

Princeton University Mathematics Competition (PUMaC)

March 2021

Graded combinatorics and number theory proofs.

Harvard–MIT Mathematics Tournament (HMMT)

March 2021

Proctored Team and Individual Rounds and graded geometry proofs.

Carnegie Mellon Informatics and Mathematics Competition (CMIMC)

February 2021

Graded theoretical computer science (TCS) proofs.

Competitions

Virginia Tech Regional Mathematics Contest (VTRMC)

October 2017

Scored 22 points. (The median score was 1 point.)