

Jeffrey Cheng

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EDUCATION

Vanderbilt University

Nashville, TN

Bachelor's of Arts in Mathematics

Expected May 2022

GPA: 4.00/4.00

Curriculum: Probability & Mathematical Statistics, Abstract Algebra, Ordinary Differential Equations, Real Analysis, Intro to Programming

SELF-DIRECTED PROJECTS

Statistical Analysis

Used R to analyze various datasets

- Skills: linear/multivariate regression
- Application of machine learning algorithms (K-Means, Random Forest, SVM)

Monte Carlo Simulation

Created Monte Carlo Simulations to derive probabilities

- Monty Hall problem, drunk passenger problem, poker hand probabilities

WORK EXPERIENCE

True Martial Arts

Sammamish, WA

Head Instructor

Aug 2017 - 2019

- Led classes of 30+ students and multiple other instructors
- Taught taekwondo classes to students with learning disabilities
- Awarded Instructor of the Year award in 2017

VOLUNTEER EXPERIENCE

Vanderbilt Circle K International

Nashville, TN

Publicity Chair

Jan 2019 - Present

- Volunteered at food banks and conducted service events in Nashville
- Created digital media to promote club and maintained social media

Vanderbilt Student Volunteers for Science

Nashville, TN

Teacher

Feb 2019 - Present

- Taught science lessons to middle/high school students in Nashville

ADDITIONAL INFORMATION/SKILLS

Pokémon Trading Card Game

Competitive Card Game Player

- Internationally ranked. Placed 2nd and 6th at World Championships
- Won ~\$30,000 in scholarships, stipends, & prize money

Other memberships: Asian American Student Association, Juggling Club, Math Club

Skills: Java, R, LaTeX, PowerPoint, Adobe Suite

Interests: taekwondo, trading card games, brain teasers, juggling, gardening