David Wang

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"Un bon mot ne prouve rien."
(*A witty saying proves nothing.*)
– Voltaire

Education

Great Neck South High School	**August 2017 – June 2021**
High School Diploma	*Great Neck, NY*
Hofstra University	**September 2021 – June 2022**
B.S. in Mathematics	*Hempstead, NY*
The University of North Carolina at Chapel Hill	**August 2022 –**
B.S. in Mathematics & Statistics and Analytics, junior transfer	*Chapel Hill, NC*

Work experience

Mathnasium Syosset — **September 2021 – February 2022**
Math tutor
- Tutored kids (age range kindergarten to high school) in a diverse range of topics: anything from fractions to calculus.

Hofstra Mathematics Department — **January 2022 – June 2022**
Math tutor
- Assisted undergraduates with math course related content, such as test preparation and assignments.

Research experience

Institute for Ultrafast Lasers and Spectroscopy (IUSL) — **May 2018 – August 2018**
Research intern — *City College of New York*
- Conducted physics research under mentorship of Professor Robert Alfano and graduate student Sandra Mamani.

Hofstra Computer Science Department — **January 2022 – June 2022**
Research student
- Conducted algorithmic research in infinite group theory under the direction of Professor Gretchen Ostheimer.

Notre Dame Geometry and Topology RTG — **July 2022**
Participant — *University of Notre Dame*

DIMACS REU — **June 2022 – August 2022**
Participant — *Rutgers University*
- Researched related open problems in computational geometry involving the visibility graph recognition problem, which has remained unsolved for decades. Mentored by Prof. James Abello and graduate student Haoyang Zhang.

Accolades & achievements

Provost's Scholar – *Fall 2021 semester*
SpringBoard Incubators College Hackathon (team) – *First Place*
Nassau County Math Competition (team) – *Second Place*
USA Biology Olympiad – *Semifinalist, National Top 100*
National Science Bowl (team) – *Regionals First Place, Nationals 21st*
Science Olympiad (team) – *Regionals First Place, States First Place, Nationals 19th*
WAC Science Fair – *Second Place*
Long Island Science Congress – *Honorable Mention*
Columbia Science Honors Program – *Student*
National Latin Exam – *3x Gold Medalist*
Varsity Fencing (team) – *County Champions, Individual Top 4 Foil*

Interdisciplinary skills

Programming

Proficient in C, C++, Java, Kotlin, Python, R, and Rust.

- I enjoy competitive programming on sites like LeetCode and Project Euler.

Journalism

Skills include, but are not limited to: pre-researching, interviewing, communicating, revising, and of course, writing.

- Prior student journalism experience at Stanford's Newsroom by the Bay, NYU's Urban Journalism Workshop, and Stony Brook's Robert W. Greene Institute. Former editor-in-chief of high school's newspaper, *The Southerner*.

Comedy

Member of UNC's premier improvisational comedy and theater troupe, the False Profits.

Last revised 9/16/2023.
This document was created with LaTeX.

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