

RONALD DENG

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EDUCATION

Williams College, Williamstown, MA

Aug 2024 – May 2028

Candidate for Bachelor of Arts in Computer Science and Economics

Relevant courses: Data Structures and Advanced Programming, Macroeconomics, Linear Algebra, Music Theory and Musicianship I

Hunter College High School, Manhattan, NY

Sept 2018 – Jun 2024

Relevant courses: Introduction to Mathematical Proofs, Multivariable Calculus, AP Physics C: Mechanics, AP Statistics, AP Chemistry

Unweighted GPA: 4.0 | SAT: 1570 | ACT: 35

Honors: Association of Teachers Certificate for Excellence in Mathematics, Science Faculty Award for Scholarship in Physics

COMPUTER SCIENCE EXPERIENCE

Williams Student Organization Website

Oct 2024 – Present

Front-End Developer

- Utilized TypeScript and React to design an upgraded course scheduler, making it easier for students to plan courses. This course scheduler is used hundreds of students at Williams College.
- Mentored and taught newer programmers how to use TypeScript and React.

Office of Senator John C. Liu

Jun 2023 – Sept 2023

Intern

- Developed and implemented data automation solutions using Python's Beautiful Soup, improving office efficiency by sorting 300+ constituent emails.
- Created a proof-of-concept that used NLP to automatically digitize and sort physical bill memos by organization and bill.
- Conducted research and briefed Senator Liu on machine learning algorithms and AI applications in local government.
- Served as a point of first contact for constituents by assisting with issues such as filing restraining orders, complications with Department of Buildings violations, PPE distribution, and safety concerns.

PROFESSIONAL EXPERIENCE

VOICE Charter School

Jul 2024 – Aug 2024

Teacher

- Prepared and taught a class of fifteen rising 8th graders math and English.
- Wrote and graded practice problems and exams.
- Saw a 20% increase in mock New York State Assessment scores by the end of the program.

Communication Sciences and Disorders Lab, St. John's University, Dr. Yan Yu

Jun 2023 – Sept 2023

Research Assistant

- Collaborated on a study examining the influence of music and language backgrounds on cortical dynamics for brain functions.
- Assisted in data collection, analysis, and interpretation of complex neurological data.
- Co-authored research accepted for poster presentation at the 2023 Acoustical Society of America meeting in Sydney.

AWARDS

- Scholastic Gold Key for Poetry (x2) and Critical Essay
- International Young Artists Competition Grand

- Winner (Violin)
- Music International Grand Prix 3rd Place Finalist (Violin)

RELEVANT SKILLS

- **Programming Languages:** Python, R, C++, Java, LaTeX
- **Web Development:** HTML, CSS, JavaScript, TypeScript, React
- **Data Analysis:** Python (pandas, NumPy), R

- **Software:** Blender (3D Graphics), DaVinci Resolve (Video Editing), Logic Pro X (music production)
- **Other Skills:** Communication, Google Sheets/Excel Spreadsheets